CURRENT FISHERY STATISTICS NO. 2017

FISHERIES OF THE UNITED STATES 2017

October 2018

U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

National Marine Fisheries Service

NOAA FISHERIES PUBLICATIONS

Each year NOAA Fisheries produces three annual reports covering different aspects of the status of United States marine fisheries.

Status of Stocks is an annual report to Congress on the status of U.S. fisheries and is required by the Magnuson-Stevens Fishery Conservation and Management Act. This report, which is published each spring, summarizes the number of stocks on the overfished, overfishing, and rebuilt lists for U.S. federally managed fish stocks and stock complexes. The report also shows trends over time, discusses the value and contributions of our partners, and highlights how management actions taken by NOAA Fisheries have improved the status of U.S. federally managed stocks. For example, the 2017 report shows the number of stocks listed as subject to overfishing or overfished reached an all-time low. https://www.fisheries.noaa.gov/feature-story/status-stocks-2017

Fisheries of the United States, published each fall, has been produced in its various forms for more than 100 years. It is the NOAA Fisheries yearbook of fishery statistics for the United States. It provides a snapshot of data, primarily at the national level, on U.S. recreational catch and commercial fisheries landings and value. In addition, data are reported on U.S. aquaculture production, the U.S. seafood processing industry, imports and exports of fishery-related products, and domestic supply and per capita consumption of fishery products. The focus is not on economic analysis, although value of landings, processed products, and foreign trade are included. https://www.fisheries.noaa.gov/feature-story/fisheries-united-states-2017

Fisheries Economics of the United States, published each fall, provides a detailed look at the economic performance of commercial and recreational fisheries and other marine-related sectors on a state, regional, and national basis. The economic impact of commercial and recreational fishing activities in the U.S. is also reported in terms of employment, sales, and value-added impacts. The report provides management highlights for each region that include a summary of stock status, updates on catch share programs, and other selected management issues. Economic performance indicators for catch share programs and non-catch share fisheries are reported. https://www.fisheries.noaa.gov/feature-story/fisheries-economics-united-states-2016

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Fisheries of the United States 2017

Current Fishery Statistics No. 2017

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FISHERIES OF THE UNITED STATES, 2017

This publication is the annual National Marine Fisheries Service (NMFS) yearbook of fishery statistics for the United States for 2017. The report provides data on U.S. recreational catch and commercial fisheries landings and value as well as other aspects of U.S. commercial fishing. In addition, data are reported on the U.S. fishery processing industry, imports and exports of fishery-related products, and domestic supply and per capita consumption of fishery products.

SOURCES OF DATA

Information in this report came from many sources. Field offices of NMFS, with the generous cooperation of the coastal states and Regional Fishery Information Networks, collected and compiled data on U.S. commercial landings and processed fishery products.

The NMFS Fisheries Statistics Division in Silver Spring, MD, managed the collection and compilation of recreational statistics, in cooperation with various states and Interstate Fisheries Commissions, and tabulated and prepared all data for publication. Sources of other data appearing in this publication are: U.S. Census Bureau, U.S. Bureau of Labor Statistics, U.S. Department of the Interior, U.S. Department of Agriculture, and the Food and Agriculture Organization (FAO) of the United Nations.

Data in this publication are considered to be preliminary and are subject to revision as better information becomes available and updates are made by our regional partners. For the most current data please visit the data queries pages on our website: https://www.fisheries.noaa.gov/national/commercial-fishing/commercial-fisheries-landings

ACKNOWLEDGMENTS

The Fisheries Statistics Division takes this opportunity to thank states, industry, and foreign nations who provided the data that made this publication possible. Program leaders of the field offices were: Greg Power, Ted Hawes, Victor Vecchio and Joan Palmer for the New England and Middle Atlantic states; Scott Nelson, U.S. Geological Survey, for the Great Lakes states; David Gloeckner, Larry Beerkircher, and Jade Chau for the South Atlantic and Gulf states; Bill Jacobson and Craig D'Angelo for California; Kimberly Lowe, Valerie Chan, and Matthew Dunlap for Hawaii and the Pacific Islands; Julie Defilippi, Atlantic Coastal Cooperative Statistical Program, for Maine to Virginia; Brad Stenberg, Rick Pannell, Niels Leuthold, Rob Ames, and Robert Ryznar, Pacific Fisheries Information Network and Alaska Fisheries Information Network, for Oregon, Washington, and Alaska. We also wish to thank Stefania Vannuccini and Gabriella Laurenti of the Food and Agriculture Organization of the United Nations, and Brad McHale, Jackie Johnson-Cragg, and Dianne Stephan of the NOAA Office of Sustainable Fisheries.

NOTES

As in past issues of this publication, the units of quantity and value are defined as follows unless otherwise noted: U.S. landings are shown in round weight (except mollusks which are in meat weight); quantities shown for U.S. imports and exports are in product weight, as reported by the U.S. Bureau of the Census; the value of the U.S. domestic commercial landings is ex-vessel; in the Review section, deflated ex-vessel prices are shown. The deflated value was computed using the Gross Domestic Product Implicit Price Deflator using a base year 2012. The value for U.S. imports is generally the market value in the foreign (exporting) country and, therefore, excludes U.S. import duties, freight charges and insurance from the foreign country to the United States. The value for exports is generally the value at the U.S. port of export, based on the selling price, including inland freight, insurance, and other charges. Countries and territories shown in the U.S. foreign trade section are established for statistical purposes in the Tariff Schedules of the United States Annotated (International Trade Commission) and reported by the U.S. Bureau of the Census. Due to data availability, aquaculture production data lag the rest of the publication by 1 year.

The Fisheries Statistics Division wishes to provide the kinds of data sought by fishery statistics users and welcomes comments or suggestions that will improve this publication.

Address all comments or questions to:

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Review

U.S. COMMERCIAL LANDINGS

Commercial landings (edible and industrial) by U.S. fishermen at ports in the 50 states were 9.9 billion pounds or 4.5 million metric tons valued at $5.4 billion in 2017—an increase of 344 million pounds (up by 3.6%) and an increase of $110 million (up 2.1%) compared with 2016. Finfish accounted for 88 percent of the total landings, but only 47 percent of the value. The 2017 average ex-vessel price paid to fishermen was 55 cents per pound—virtually unchanged from the price paid in 2016.

Catches of Alaska pollock, Pacific whiting, and other Pacific groundfish that are processed at-sea aboard U.S. vessels in the northeastern Pacific are credited as "landings" to the state nearest the area of capture. Information is unavailable for landing port or percentage of catch transferred to transport ships for delivery to foreign ports. These at-sea processed fishery products, on a round (live) weight basis, were almost 1.6 million metric tons in 2017 and made up 35 percent of the total domestic landings in the 50 states.

Commercial landings by U.S. fishermen at ports outside the 50 states provided an additional 420.1 million pounds (190,553 metric tons) valued at $273 million. This was a decrease of .08 percent, or 341 thousand pounds (154 metric tons) in quantity and a decrease of $4 million (1.5%) in value compared with 2016. Most of these landings consisted of tuna landed in American Samoa and other foreign ports. Note that improved foreign port data collection in 2012 resulted in a more complete dataset, and thus higher numbers, than were historically available at the time of publication. Therefore, use caution when comparing data before 2012 to those from more recent years.

Edible fish and shellfish landings in the 50 states were 8.2 billion pounds (3.7 million metric tons) in 2017—an increase of 744 million pounds (337 thousand metric tons) compared with 2016.

Landings for reduction and other industrial purposes were 1.7 billion pounds (766 thousand metric tons) in 2017—a decrease of 400 million pounds (181 thousand metric tons) compared with 2016.

AQUACULTURE

In 2016, estimated freshwater plus marine U.S. aquaculture production was 633.5 million pounds with a value of $1.45 billion, an increase of 6.1 million pounds (1.0%) in volume and $60.6 million (4.3%) in value from 2015. Atlantic salmon was the leading species for marine finfish aquaculture, with 35.7 million pounds produced, a decrease of 11.8 million pounds (24.9%). Atlantic salmon produced was valued at $67.7 million (down 22.9%). Oysters have the highest volume for marine shellfish production (36.6 million pounds, up 3.9%).

The United Nations Food and Agriculture Organization (FAO) estimates that nearly half of the world's consumption of seafood comes from aquaculture. Globally, Asia is the leading continent for aquaculture production volume with over 89 percent of the global total of 80.0 million metric tons. The top five producing countries are in Asia: China, with 61.5 percent of the global total; India, 7.1 percent; Indonesia, 6.2 percent; Viet Nam, 4.5 percent; and Bangladesh, 2.7 percent. The United States ranks sixteenth in production.

U.S. MARINE RECREATIONAL CATCH

The 2017 U.S. marine recreational finfish catch, including fish kept and fish released (discarded) on the Atlantic, Gulf, and Pacific coasts (including Alaska, Hawaii and Puerto Rico), was an estimated 1 billion fish taken on an estimated 202 million fishing trips (Alaska trip data not available for 2017). The harvest (fish kept or released dead) was estimated at 397 million fish weighing 447 million pounds.

WORLD LANDINGS

In 2016, the most recent year for which global data are available, world commercial fishery landings and aquaculture production were 171 million metric tons—an increase of 2.2 million metric tons compared with 2015. Aquaculture production increased by 4 million metric tons while fishery landings decreased by 1.7 million tons.

China was the leading nation in both fishery landings and aquaculture production, accounting for 39.1 percent of the total harvest. Indonesia is the second leading producer with 6.7 percent. India was third with 6.3 percent. Vietnam was fourth with 3.8 percent. The United States was fifth with 3.1 percent.

PROCESSED PRODUCTS

The estimated value of the 2017 domestic production of edible and nonedible processed fishery products was $12 billion, up 1.2 billion (10.8%) from 2016. The value of edible products was $11 billion—up 1.1 billion (10.7%) compared with 2016. The value of industrial products was $903.1 million in 2017—up 96.3 million (11.9%) from 2016.

FOREIGN TRADE

The total import value of edible and nonedible fishery products was $38.4 billion in 2017—an increase of $2.5 billion (7.0%) compared with 2016. Imports of edible fishery products (product weight) were 5.9 billion pounds valued at $21.5 billion in 2017. Volume increased 92.8 million pounds (1.6%), while value increased by $2.0 billion (10.4%) compared with 2016. Imports of nonedible (i.e., industrial) products were $16.9 billion—an increase of $473.9 million (2.9%) compared with 2016.

Total export value of edible and nonedible fishery products was $29.0 billion in 2017—an increase of $984 million (3.5%) compared with 2016. United States firms exported 3.2 billion pounds of edible products valued at $5.7 billion—volume increased 269.9 million pounds (9.2%) and value increased $345.9 million (6.4%) compared with 2016. Exports of nonedible products were valued at $23.2 billion, which is $638.2 million (2.8%) more than 2016.

SUPPLY

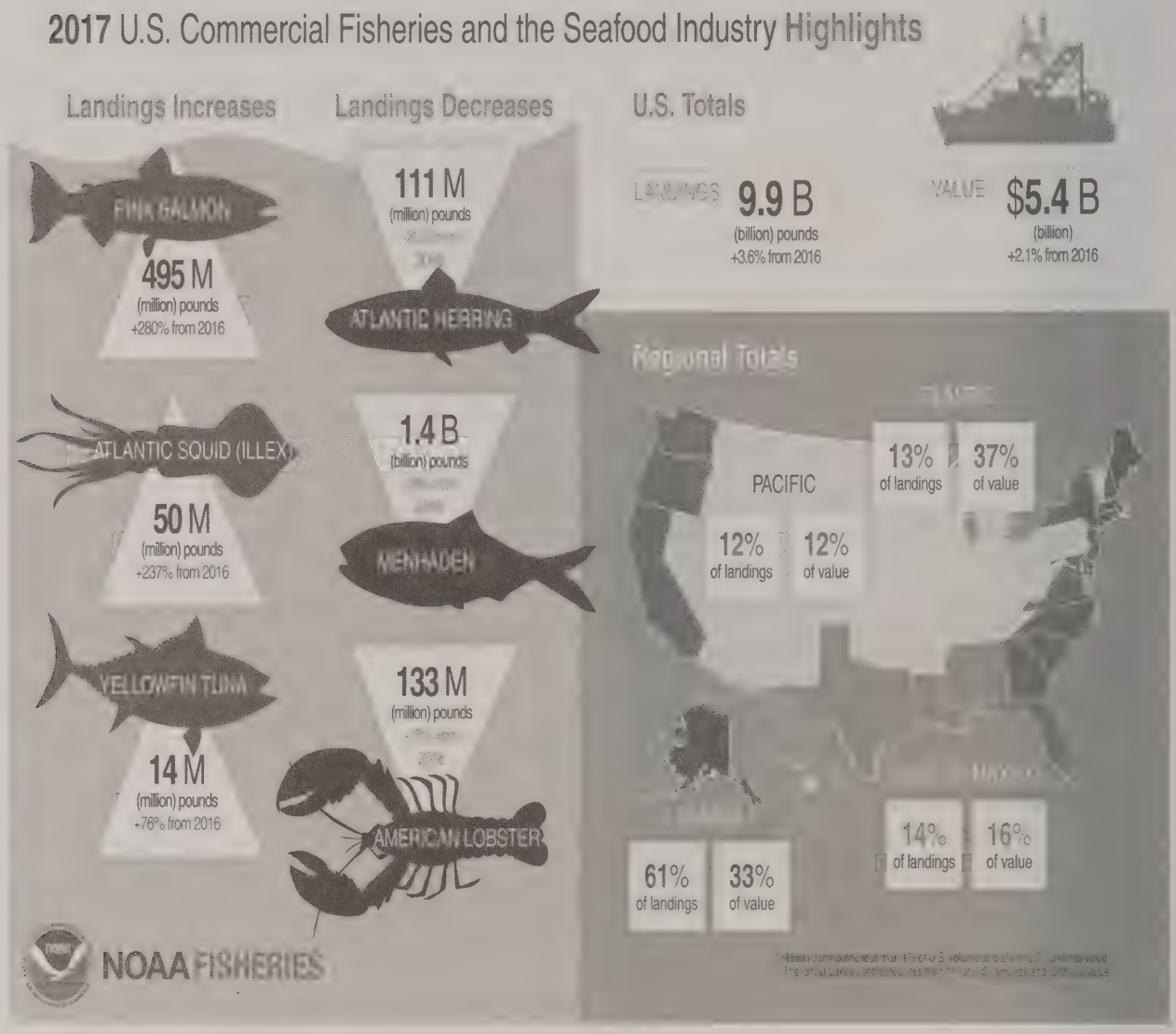
The U.S. supply of edible fishery products (domestic landings plus imports, round weight equivalent, minus exports) was 12.8 billion pounds in 2017—up $813 million compared to 2016. The supply of industrial fishery products was 523 million pounds in 2017—a decrease of 336 million pounds compared with 2016.

PER CAPITA CONSUMPTION

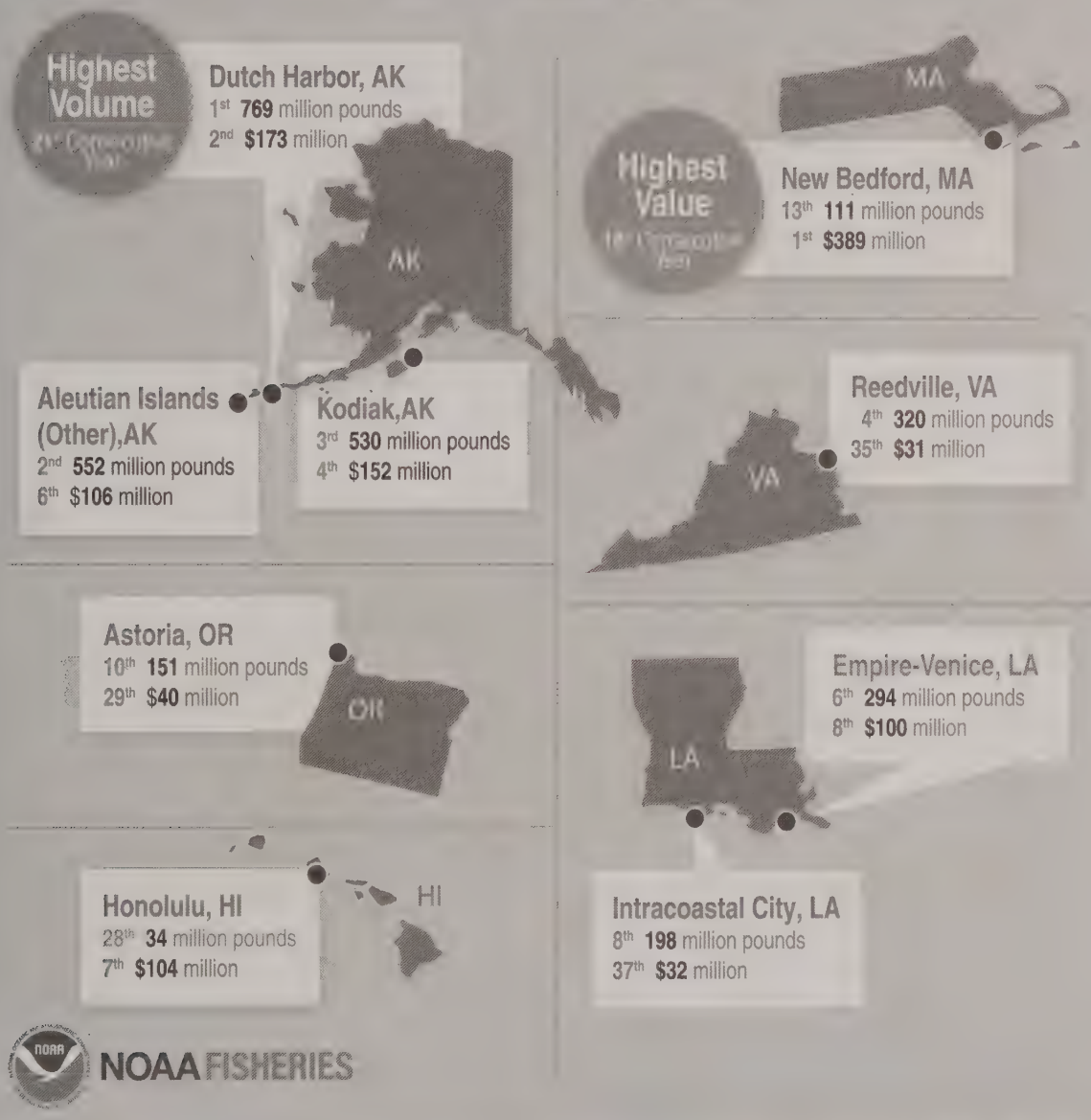
Estimated U.S. per capita consumption of fish and shellfish was 16.0 pounds (edible meat) in 2017. This total was an increase of 1.1 pounds from the 14.9 pounds consumed in 2016.

CONSUMER EXPENDITURES

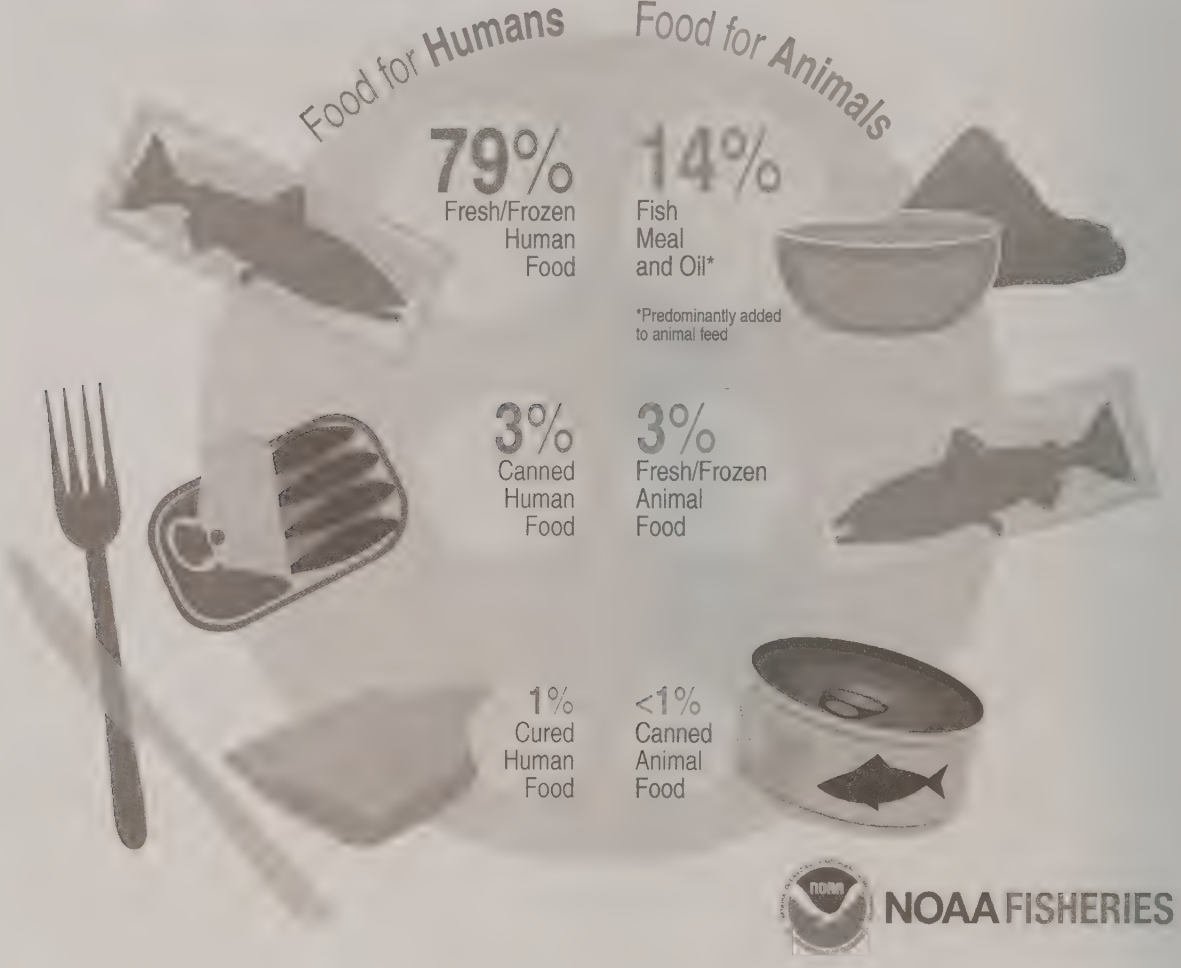
U.S. consumers spent an estimated $102.2 billion for fishery products in 2017. The 2017 total includes $69.6 billion in expenditures at food service establishments (restaurants, carry-outs, caterers, etc.); $32.5 billion in retail sales for home consumption; and $39.8 million for industrial fish products. By producing and marketing a variety of fishery products for domestic and foreign markets, the commercial marine fishing industry contributed $50.9 billion (in value added) to the U.S. Gross National Product.


2017 U.S. Commercial Fisheries and the Seafood Industry Highlights
Landings Increases
Landings Decreases
U.S. Totals
PINK SALMON
495 M
(million) pounds
+280% from 2016
111 M
(million) pounds
ATLANTIC HERRING
LANDINGS 9.9 B
(billion) pounds
+3.6% from 2016
VALUE $5.4 B
(billion)
+2.1% from 2016
ATLANTIC SQUID (ILLEX)
50 M
(million) pounds
+237% from 2016
1.4 B
(billion) pounds
MENHADEN
YELLOWFIN TUNA
14 M
(million) pounds
+76% from 2016
133 M
(million) pounds
AMERICAN LOBSTER
NOAA FISHERIES
Regional Totals
PACIFIC
13% of landings
37% of value
12% of landings
12% of value
14% of landings
16% of value
61% of landings
33% of value

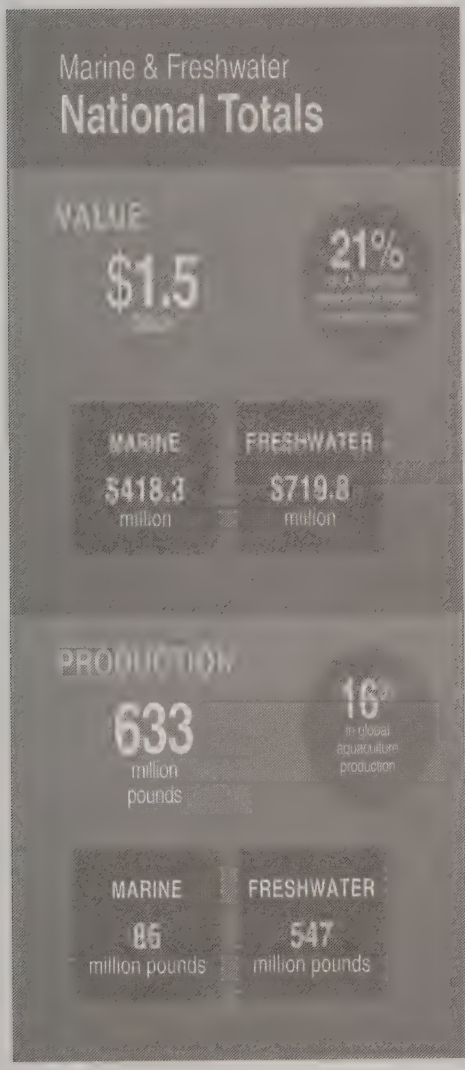
2017 U.S. Commercial Fisheries and the Seafood Industry
Top Ports by Volume and Value of Seafood Landed

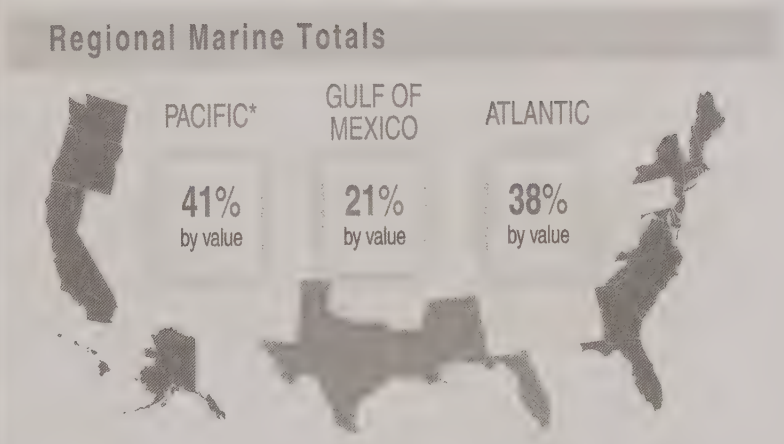


2017 U.S. Commercial Fisheries and the Seafood Industry
How Our Catch is Used

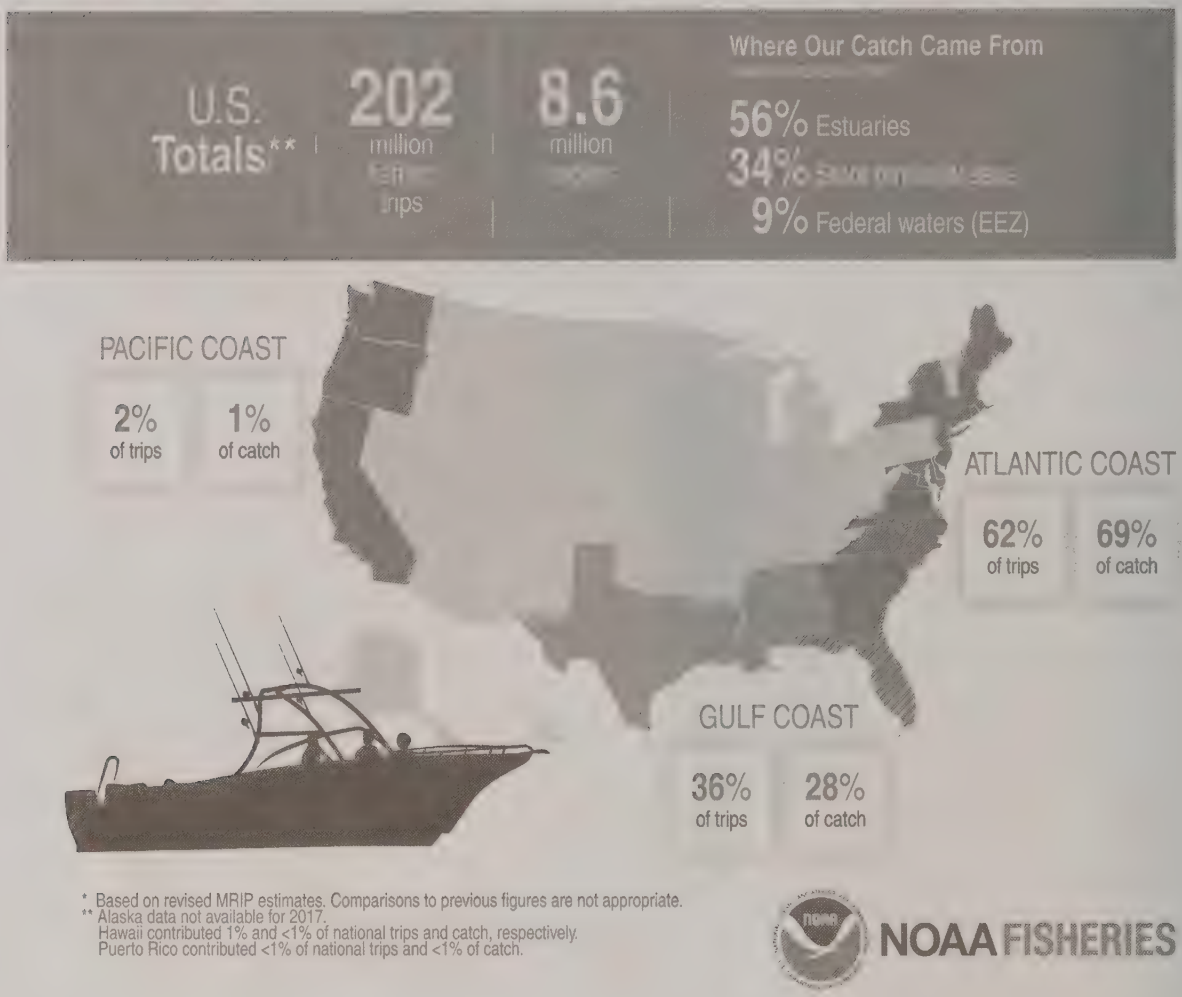


2016 Aquaculture Production Highlights





2017 U.S. Recreational Fisheries **Saltwater Trips and Catch***

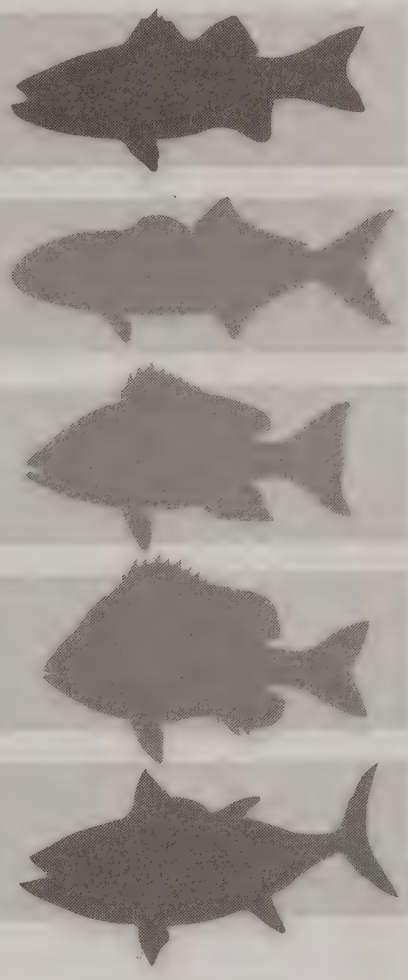


* Based on revised MRIP estimates. Comparisons to previous figures are not appropriate.
** Alaska data not available for 2017.
Hawaii contributed 1% and <1% of national trips and catch, respectively.
Puerto Rico contributed <1% of national trips and <1% of catch.

NOAA FISHERIES

2017 U.S. Recreational Fisheries Top Species by Pounds Harvested*,**

STRIPED BASS	38 million pounds	3.0 million fish
BLUEFISH	33 million pounds	14.2 million fish
RED SNAPPER	19 million pounds	3.1 million fish
SHEEPSHEAD	18 million pounds	6.6 million fish
YELLOWFIN TUNA	18 million pounds	0.5 million fish

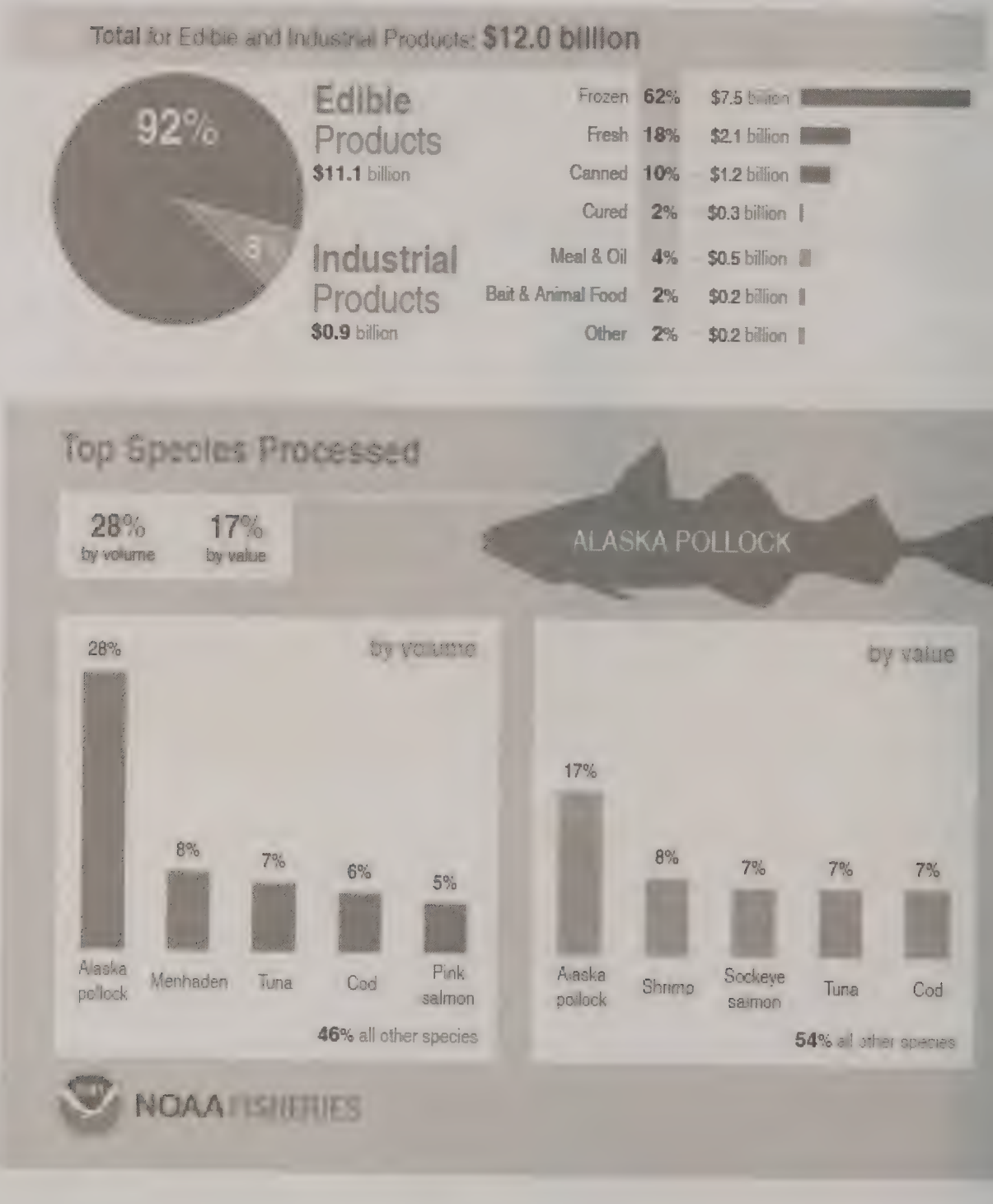


NOAA FISHERIES

* Based on revised MRIP estimates.
Comparisons to previous figures are not appropriate.
** Alaska data are not available for 2017.

2017 Value of Processed Fisheries Products

(Processed from domestic catch and imported products)



2017 U.S. Trade with East and South Asia*

50% of U.S. edible imports come from East and South Asia*

Total Pounds and Value of U.S. Edible Imports and Exports

EDIBLE IMPORTS		EDIBLE EXPORTS		TRADE DEFICIT
3.4 billion pounds	$10.8 billion	1.9 billion pounds	$3.1 billion	$7.7 billion

Pounds and Value by Category
of U.S. Edible Imports and Exports

LEGEND: **VOLUME** (pounds); **VALUE** (U.S. dollars)

Edible Exports

Whole Finfish Fresh/Frozen	60% 46%	1,124.9 million pounds $1,404.4 million
Surimi	19% 12%	358.9 million pounds $376.5 billion
Caviar & Roe	4% 11%	81.2 million pounds $350.3 million
Lobster	2% 9%	35.2 million pounds $287.0 million
Crab & Crabmeat	1% 4%	18.2 million pounds $126.7 million
Other Edible	14% 17%	260.6 million pounds $520.9 million

Edible Imports

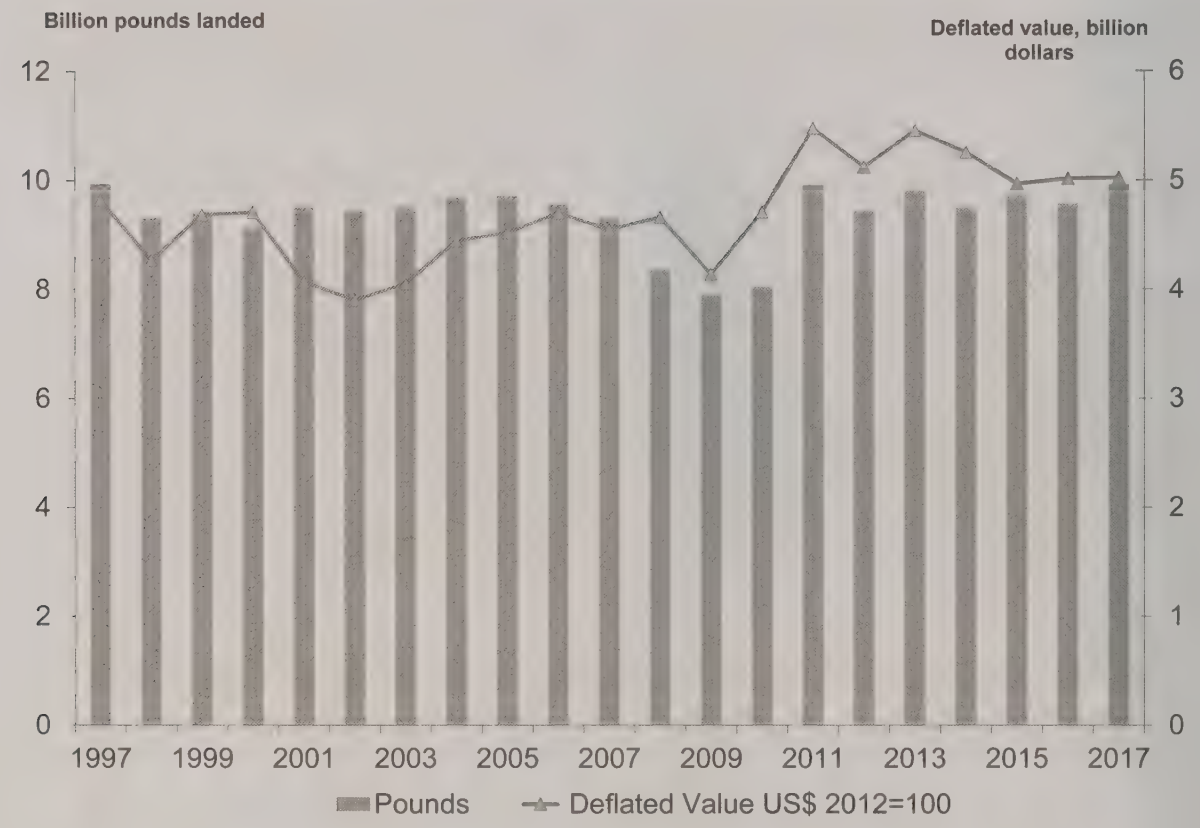
Shrimp, Fresh & Frozen	33% 48%	1,127.8 million pounds $5,158.6 million
Fresh & Frozen Fillet	28% 21%	948.3 million pounds $2,261.2 million
Canned Products	16% 14%	541.6 billion mounds $1,483.6 million
Whole Finfish Fresh/Frozen	11% 7%	386.1 million pounds $725.8 million
Other Edible	13% 11%	430.6 billion pounds $1,159.7 million

NOAA FISHERIES

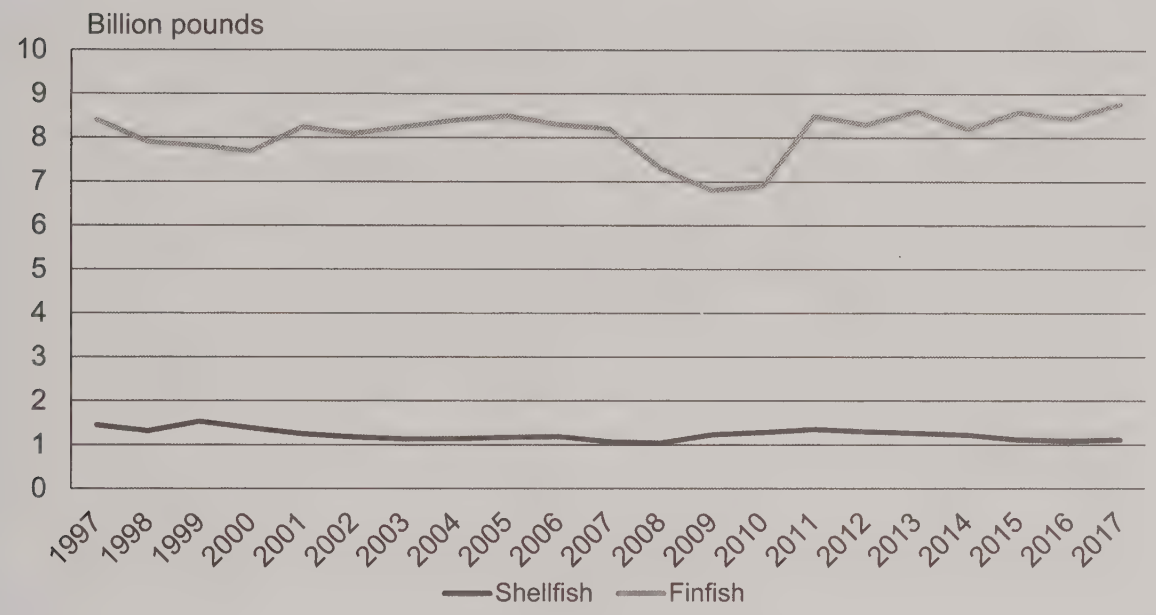
*** Countries Included:**

Bangladesh
Cambodia
China (inc. Hong Kong & Macao)
India
Indonesia
Japan
Laos
Malaysia
Maldives
Pakistan
Philippines
Singapore
South Korea
Sri Lanka
Taiwan
Thailand
Vietnam

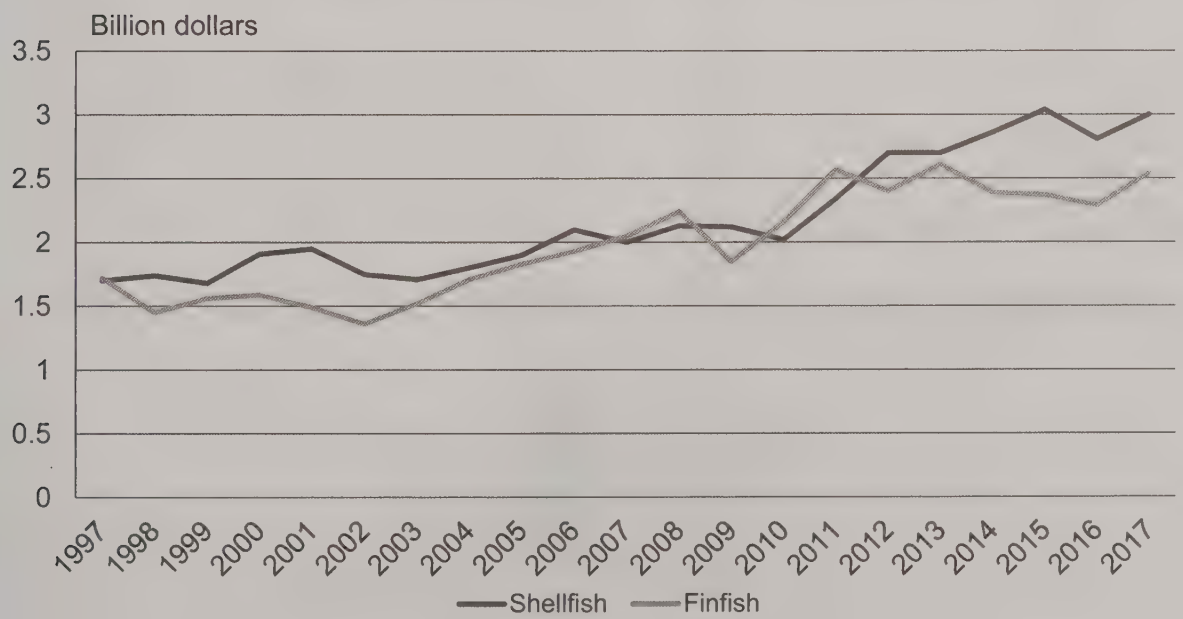
Commercial Landings, 1997-2017 National Landings and Deflated Value



Volume of U.S. Domestic Finfish and Shellfish Landings, 1997-2017



Value of U.S. Domestic Finfish and Shellfish Landings, 1997-2017



Alaska led all states in volume with landings of 6.0 billion pounds, followed by: Louisiana, 890.6 million pounds; Washington, 665.9 million pounds; Virginia, 344.0 million pounds; and Mississippi, 311.0 million pounds.

Alaska led all states in value of landings with $1.8 billion, followed by: Massachusetts, $605.3 million; Maine, $511.3 million; Louisiana, $354.3 million; and Washington, $313.7 million.

Dutch Harbor, Alaska, was the leading U.S. port in quantity of commercial fishery landings, followed by: Aleutian Islands (Other), Alaska; Kodiak, Alaska; Reedville, VA; Pascagoula-Moss Point, MS; and Empire-Venice, Louisiana.

New Bedford, Massachusetts was the leading U.S. port in terms of value, followed by: Dutch Harbor, Alaska; Naknek, Alaska; Kodiak, Alaska; and Alaska Peninsula (Other), AK.

Tuna landings by U.S.-flag vessels at ports outside the continental United States amounted to 420.1 million pounds.

Major U.S. Domestic Species Groups Landed in 2017

Ranked by Volume and Value

Volume of Landings

Rank	Species	Thousand Pounds
1	Pollock (Alaska)	3,388,620
2	Menhaden	1,413,104
3	Salmon	1,008,198
4	Hakes	774,762
5	Cod	659,178
6	Flatfish	571,332
7	Shrimp	283,272
8	Crabs	274,578
9	Squid	207,409
10	Sea Herring	179,920

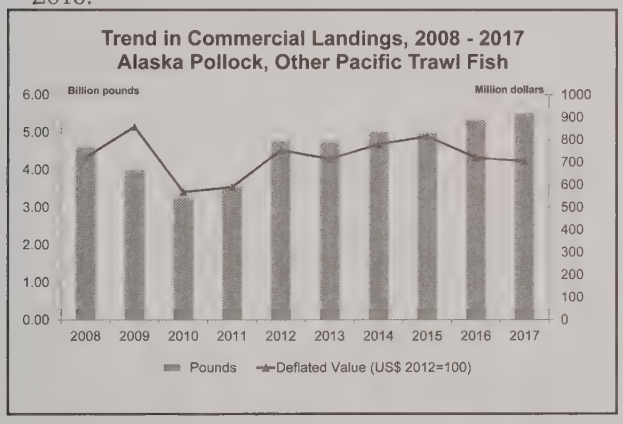
Value of Landings

Rank	Species	Thousand Dollars
1	Salmon	687,770
2	Crabs	610,377
3	Lobsters	593,874
4	Shrimp	530,977
5	Scallops	511,945
6	Pollock (Alaska)	413,273
7	Flatfish	267,013
8	Oysters	236,418
9	Clams	210,755
10	Cod	160,815

ALASKA POLLOCK AND OTHER PACIFIC TRAWL FISH

U.S. landings of Pacific trawl fish (Pacific cod, flounders, hake, Pacific ocean perch, Alaska pollock, and rockfishes) were almost 5.5 billion pounds valued at over $761.2 million—an increase of almost 4 percent in quantity and essentially no change in value compared with 2016.

Landings of Alaska pollock (3.4 billion) increased from 2016 and were nearly 260.9 million pounds over their 2012 - 2016 5 - year average. Landings of Pacific cod were 657.3 million pounds — a decrease of 7 percent from 708.6 million in 2016. Pacific hake (whiting) landings were 773.9 million pounds (up almost 39%) valued at $60.4 million (up more than 29%) compared to 2016. Landings of rockfishes were 53.7 million pounds (up nearly 27%) and valued at $21.2 million (up more than 26%) compared to 2016.



ANCHOVIES

U.S. landings of anchovies were 12.4 million pounds—a decrease of almost 6.6 million pounds (almost 35%) compared with 2016. One percent of all landings were used for animal food or reduction and 99 percent were used for bait. The U.S. imports all edible anchovies.

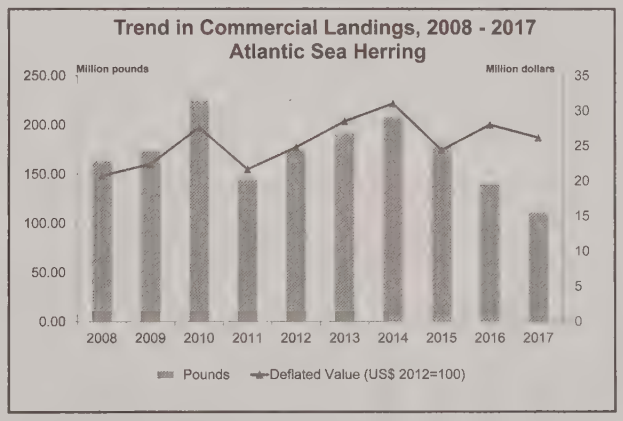
HALIBUT

U.S. landings of Atlantic and Pacific halibut were 26.5 million pounds (round weight) valued at nearly $125.8 million—an increase of 1.3 million pounds (5%) but a decrease of over $1.2 million (1%) compared with 2016. The Pacific fishery accounted for all but 244,000 pounds of the 2017 total halibut catch. The average ex-vessel price per pound in 2017 was $4.75 compared with $5.05 in 2016.

SEA HERRING

U.S. commercial landings of sea herring were 179.9 million pounds valued at $36.4 million—a decrease of 11.6 million pounds (6%) but an increase of nearly $1.2 million (more than 3%) compared with 2016. Landings of Atlantic sea herring were 110.8 million pounds valued at over $28.2 million—a decrease of 28.5 million pounds (more than 20%) and $1.4 million (nearly 5 %) compared with 2016.

Landings of Pacific sea herring were 69.1 million pounds valued at almost $8.2 million—an increase of 16.8 million pounds (32%) and $2.6 million (more than 47%) compared with 2016. Alaska landings accounted for 99 percent of the Pacific coast with more than 68.4 million pounds valued at $7.9 million—an increase of almost 16.6 million pounds (32%) and $2.6 million (48%) compared with 2016.



JACK MACKEREL

California accounted for more than 23 percent, Oregon for 15 percent, and Washington almost 62 percent of the U.S. landings of jack mackerel in 2017. Total landings were more than 1 million pounds valued at nearly $50,000—an increase of 243,000 pounds (more than 30%) but a decrease of $13,000 (almost 21%) compared with 2016. The 2017 average ex-vessel price per pound was 5 cents.

MACKEREL, ATLANTIC

U.S. landings of Atlantic mackerel were 15.2 million pounds valued at over $4 million—an increase of nearly 3.4 million pounds (29%) and $946,000 (almost 31%) compared with 2016. Massachusetts, with 10.2 million pounds, and New Jersey, with 2.8 million pounds, accounted for almost 86 percent of the total landings. The average ex-vessel price per pound in 2017 was 27 cents compared with 26 cents in 2016.

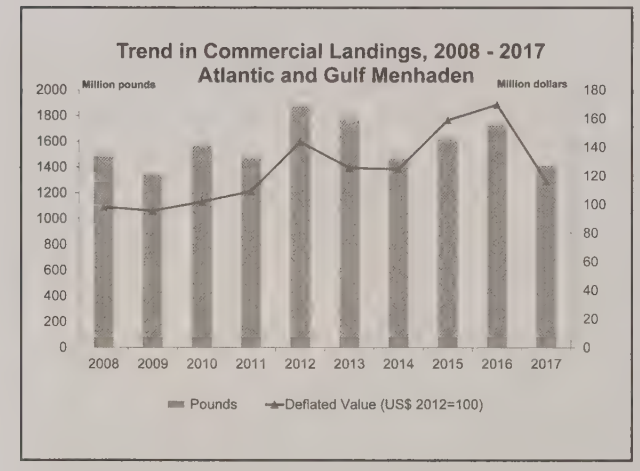
MACKEREL, CHUB

Landings of chub mackerel were 4.8 million pounds valued at $642,000—an increase of 232,000 pounds (5%) and $49,000 (8%) compared with 2016. California accounted for more than 98 percent of the total landings. The average ex-vessel price in 2017 was 13 cents, unchanged from 2016.

MENHADEN

The U.S. menhaden landings were more than 1.4 billion pounds valued at $125.5 million—a decrease of 314.4 million pounds (18%) and $54.3 million (30%) compared with 2016. Landings increased by nearly 32.8 million pounds (9%) in the Atlantic states, while decreasing by 347.2 million pounds (more than 25%) in the Gulf states compared with 2016. Landings along the Atlantic coast were 396.3 million pounds valued at $53.3 million. Gulf region landings were 1 billion pounds valued at over $72.2 million.

Menhaden are used primarily for the production of meal, oil, and solubles, while small quantities are used for bait.



NORTH ATLANTIC TRAWL FISH

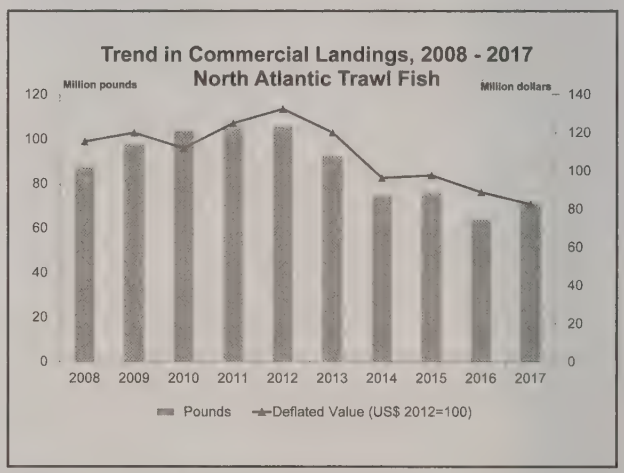
Landings of butterfish, Atlantic cod, cusk, flounders (winter/blackback, summer/fluke, yellowtail, and other), haddock, red and white hake, ocean perch, pollock, and whiting (silver hake) in the North Atlantic (combination of New England, Middle Atlantic) were more than 70.5 million pounds valued at almost $84.6 million—an increase of nearly 8.5 million pounds (almost 14%) but a decrease of nearly $4.4 million (nearly 5%) compared with 2016. Of these species, flounders led in total value in the North Atlantic, accounting for nearly 44 percent of the total; followed by haddock, 14 percent; and whiting (silver hake) almost 11 percent.

The 2017 landings of Atlantic cod were 1.9 million pounds valued at more than $4.4 million—a decrease of almost 1.4 million pounds (over 42%) and nearly $1.7 million (almost 28%) compared with 2016. The ex-vessel price per pound in 2017 was $2.39 compared with $1.91 in 2016.

Landings of yellowtail flounder were nearly 2.4 million—an increase of over 1.1 million pounds (nearly 91%) from 2016 but were almost 22 percent lower than the 5-year average.

Haddock landings increased to 12.1 million pounds (up more than 9%) but decreased to $12.0 million (down over 10%) compared to 2016.

North Atlantic pollock landings were almost 7.2 million pounds valued at almost $6.2 million—an increase of almost 1.5 million pounds (nearly 26%) but a decrease of $216,000 (more than 3%) compared with 2016.



PACIFIC SALMON

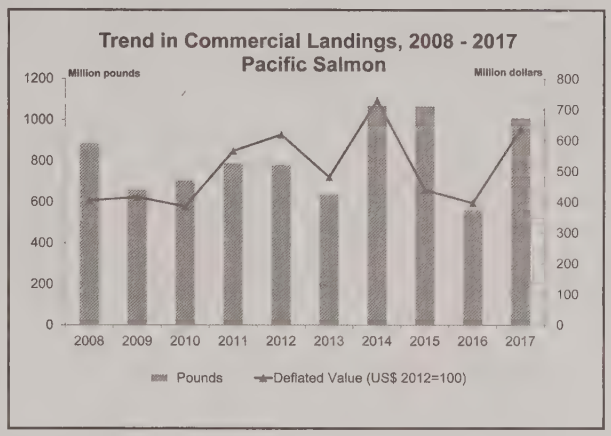
U.S. commercial landings of salmon were 1 billion pounds valued at $687.8 million—an increase of 447.2 million pounds (80%) and almost $267.5 million (64%) compared with 2016. Alaska accounted for nearly 98 percent of total landings; Washington, 2 percent; California, Oregon, and the Great Lakes accounted for less than 1 percent of the catch. Sockeye salmon landings were 291.6 million pounds valued at $323.7 million—an increase of over 4.3 million pounds (2%) and $73.5 million (more than 29%)

compared with 2016. Chinook salmon landings decreased to 9 million pounds—down 2.9 million pounds (over 24%) from 2016. Pink salmon landings were 495.3 million pounds—an increase of 365 million (280%); chum salmon landings were 177.1 million—an increase of nearly 75.8 million (75%); and coho salmon increased to 35.2 million—an increase of nearly 4.9 million (16%) compared with 2016.

Alaska landings were nearly 985.9 million pounds valued at $645.7 million—an increase of 443.3 million pounds (82%) and $265.2 million (70%) compared with 2016. The distribution of Alaska salmon landings by species in 2017 was: pink, 494.8 million pounds (50%); sockeye, 291.5 million pounds (almost 30%); chum, 163.4 million pounds (almost 17%); coho, 33 million pounds (over 3%); and chinook, 3.3 million pounds (almost 1%). The average price per pound for all species in Alaska was 65 cents in 2017—a decrease of 5 cents from 2016.

Washington salmon landings were 20.4 million pounds valued at almost $31.6 million—an increase of 4.6 million pounds (nearly 29%) and $5.5 million (21%) compared with 2016. The biennial fishery for pink salmon landed 551,000 pounds in 2017. Washington landings of chum salmon were 13.7 million (up 55%); followed by chinook, almost 4.1 million pounds (down over 3%); coho, 2 million pounds (down 26%); and sockeye, 109,000 pounds (down 16%). The average ex-vessel price per pound for all species in Washington decreased from $1.64 in 2016 to $1.54 in 2017.

Oregon salmon landings were nearly 1.2 million pounds valued at $5.5 million—a decrease of 636,000 pounds (35%) and $2.7 million (over 33%) compared with 2016. Chinook salmon landings were 951,000 pounds valued at almost $5.1 million; coho landings were 227,000 pounds valued at $463,000; sockeye landings were less than 500 pounds valued at $2,000; pink and chum landings were less than 500 pounds valued at less than $500. The average ex-vessel price per pound for Chinook salmon in Oregon increased from $4.93 in 2016 to $5.32 in 2017. California salmon landings were 568,000 pounds valued at nearly $4.8 million—a decrease of 141,000 pounds (nearly 20%) and $483,000 (9%) compared with 2016. Chinook salmon were the principal species landed in the state. The average ex-vessel price per pound paid to fishermen in 2017 was $8.44 compared with $7.44 in 2016.



SABLEFISH

U.S. commercial landings of sablefish were 37.8 million pounds valued at more than $143.4 million—an increase of 4.2 million pounds (13%) and almost $26.5 million (23%) compared with 2016. Landings increased in Alaska to almost 25.6 million pounds-an increase of 18 percent compared with 2016. Landings increased in Washington to nearly 2.9 million pounds (up 18%) and $9 million (up 21%). The 2017 Oregon catch was 5.5 million pounds (down less than 1%) but value increased to $15.5 million (up 3%) compared with 2016. California landings of 3.8 million pounds and more than $9 million represent a decrease of 1 percent in quantity but an increase of 3 percent in value from 2016. The average ex-vessel price per pound in 2017 was $3.80 compared with $3.48 in 2016.

TUNA

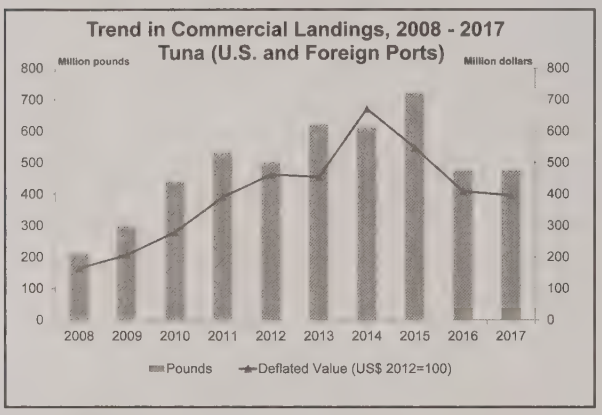
Landings of tuna by U.S. fishermen at ports in United States, American Samoa, other U.S. territories, and foreign ports were 475.0 million pounds valued at almost $427.3 million—an increase of 507,000 pounds (less than 1%) but a decrease of $5.5 million (over 1%) compared with 2016. The average ex-vessel price per pound of all species of tuna in 2017 was $0.90 compared with $0.91 in 2016.

Bigeye landings in 2017 were 26.2 million pounds-an increase of 2.4 million pounds (10%) compared with 2016. The average ex-vessel price per pound was $2.99 in 2017 compared to $3.44 in 2016.

Skipjack landings were 352.0 million pounds—a decrease of over 25,000 pounds (7%) compared with 2016. The average ex-vessel price per pound was $0.63 in 2017 compared to $0.66 in 2016.

Yellowfin landings were 75.8 million pounds—an increase of 30.4 million pounds (67%) compared with 2016. The average ex-vessel price per pound was $1.04 in 2017 compared with $1.06 in 2016.

Bluefin landings were 2.9 million pounds—an increase of 223,000 pounds (8%) compared with 2016. The average ex-vessel price per pound in 2017 was $3.51 compared with $5.26 in 2016.



CLAMS

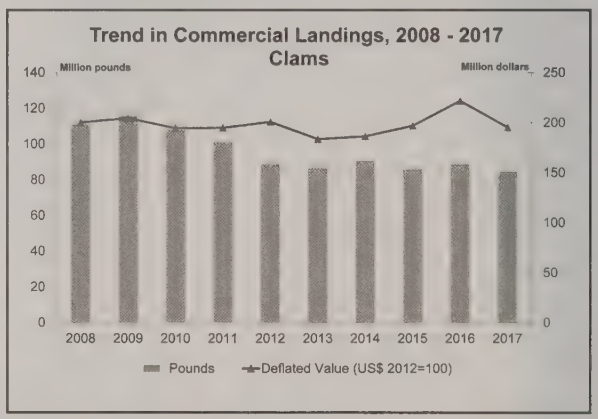
Landings of all species yielded 84.9 million pounds of meats valued at $210.8 million—a decrease of 3.9 million pounds (more than 4%) and $24.1 million (over 10%) compared with 2016. The average ex-vessel price per pound in 2017 was $2.48 compared with $2.64 in 2016.

Surf clams yielded 40.2 million pounds of meats valued at $32.7 million—a decrease of 1.7 million pounds (4%) but an increase of nearly $1.1 million (more than 3%) compared with 2016. Massachusetts was the leading state with almost 18.7 million pounds (down nearly 6% compared with 2016), followed by New Jersey, over 18.3 million pounds (up 11%); and New York, almost 2.2 million pounds (down 41%). The average ex-vessel price per pound of meats was 81 cents in 2017, up 6 cents from 2016.

The ocean quahog fishery produced 31.5 million pounds of meats valued at $29.7 million—an increase of 730,000 pounds (more than 2%) and almost $3.5 million (13%) compared with 2016. New Jersey had landings of 16.5 million pounds (down 9% compared with 2016) valued at $17.5 million (up more than 7%) while Massachusetts production was 14.2 million pounds (up nearly 16%) valued at $10.7 million (up almost 24%). Together, New Jersey and Massachusetts accounted for almost 98 percent of total ocean quahog production in 2017. The average ex-vessel price per pound of meats increased from 85 cents in 2016 to 94 cents in 2017.

The hard clam fishery produced nearly 7.3 million pounds of meats valued at $53 million—a decrease of 1.4 million pounds (more than 16%) and $8.9 million (more than 14%) compared with 2016. Landings in the New England region were almost 1.3 million pounds of meats (down almost 8%); Middle Atlantic, 5 million pounds (down more than 19%); and the South Atlantic region, over 1 million pounds (down over 10%). The average ex-vessel price per pound of meats increased from $7.11 in 2016 to $7.28 in 2017.

Soft clams yielded nearly 2.2 million pounds of meats valued at $17.9 million—a decrease of 350,000 pounds (almost 14%) and $6.8 million (almost 28%) compared with 2016. Maine was the leading state with 1.1 million pounds of meats (down over 29%); followed by Massachusetts, 758,000 pounds (up over 13%); and Maryland, 214,000 pounds (down 30%). The average ex-vessel price per pound of meats was $8.15 in 2017 compared with $9.72 in 2016.



CRABS

Landings of all species of crabs were almost 274.6 million pounds valued at $610.4 million—a decrease of 42.8 million pounds (more than 13%) and nearly $93.9 million (over 13%) compared with 2016.

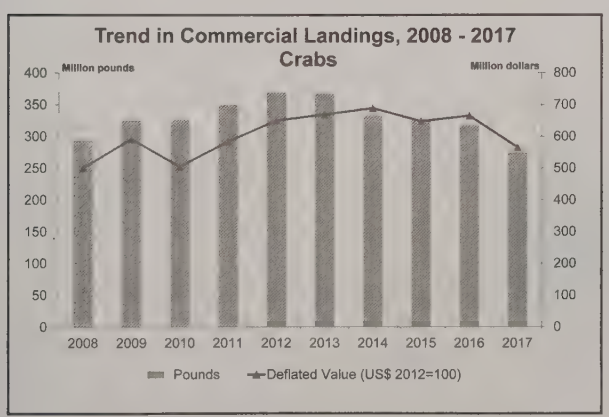
Hard blue crab landings were 142.4 million pounds valued at nearly $189.8 million—a decrease of 15.1 million pounds (almost 10%) and $24.1 million (over 11%) compared with 2016. Louisiana landed more than 28 percent of the total U.S. landings followed

by: Maryland, 21 percent; Virginia, 16 percent; and North Carolina, 14 percent. Hard blue crab landings in the South Atlantic with almost 29.6 million pounds decreased 15 percent; and the Gulf region with more than 50.4 million pounds increased almost 2 percent. The Middle Atlantic region with 62.5 million pounds valued at $88 million had a decrease of 10.8 million pounds (15%) compared with 2016. The average ex-vessel price per pound of hard blue crabs was $1.33 in 2017 compared with $1.36 in 2016.

Dungeness crab landings were 61.3 million pounds valued at almost $212.7 million—a decrease of 2.9 million pounds (more than 4%) and $10 million (more than 4%) compared with 2016. Washington landings of over 27.3 million pounds (up 43% from 2016) led all states with almost 45 percent of the total landings. Oregon landings were 19 million pounds (up nearly 21%) or 31 percent of the total landings. California landings were nearly 12.9 million pounds (down 52%) and Alaska landings were almost 2.2 million pounds (down 20%). The average ex-vessel price per pound was $3.47 in 2017, unchanged from 2016.

U.S. landings of king crab were nearly 12.9 million pounds valued at $81.3 million—a decrease of nearly 1.7 million pounds (12%) and over $23.3 million (22%) compared with 2016. The average ex-vessel price per pound in 2017 was $6.31 compared with $7.17 in 2016.

Snow crab (opilio) landings were over 21.3 million pounds valued at $57.9 million—a decrease of 18.3 million pounds (46%) and $22 million (almost 28%) compared with 2016. The average ex-vessel price per pound was $2.72 in 2017, up from $2.02 in 2016.



LOBSTER, AMERICAN

American lobster landings were 133 million pounds valued at $552.1 million—a decrease of 25.6 million pounds (16%) and almost $114.6 million (17%) compared with 2016. Maine led in landings for the 36th consecutive year with 108 million pounds valued at $423 million—a decrease of 24 million pounds (18%) compared with 2016. Massachusetts, the second leading producer, had landings of almost 16.7 million pounds valued at $82.3 million—a decrease of 1 million pounds (6%) compared with 2016. Together, Maine and Massachusetts produced nearly 94 percent of the total national landings. The average ex-vessel price per pound was $4.15 in 2017 compared with $4.20 in 2016.

LOBSTER, SPINY

U.S. landings of spiny lobster were 4 million pounds valued at $41.8 million—a decrease of nearly 1.9 million pounds (over 32%) and $14.1 million (over 25%) compared with 2016. Florida, with landings of almost 3.3 million pounds valued at $28.5 million, accounted for over 82 percent of the total catch and 68 percent of the value. This was a decrease of 1.9 million pounds (nearly 37%) and $13.7 million (33%) compared with 2016. Overall the average ex-vessel price per pound was $10.53 in 2017 compared with $9.54 in 2016.

OYSTERS

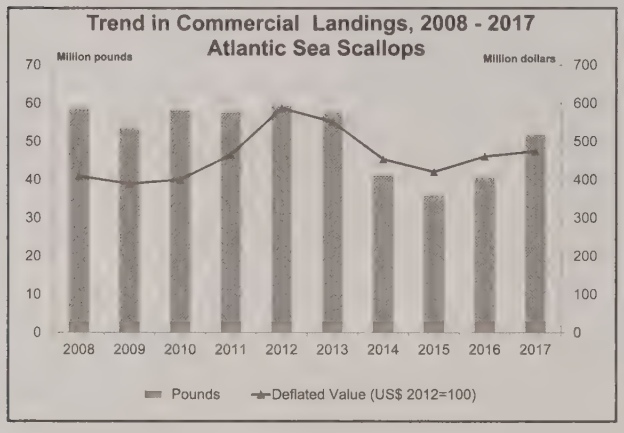
U.S. oyster landings yielded 31.8 million pounds valued at more than $236.4 million—a decrease of nearly 1.5 million pounds (4%) but an increase of over $19.2 million (9%) compared with 2016. The Gulf region led in production with more than 16.4 million pounds of meats, 51 percent of the national total; followed by the South Atlantic region with over 5.3 million pounds (nearly 17 percent); and the Middle Atlantic region with almost 4.7 million pounds (15%). The average ex-vessel price per pound of meats was $7.43 in 2017 compared with $6.52 in 2016.

SCALLOPS

U.S. landings of bay and sea scallops totaled 51.7 million pounds valued at $511.9 million—an increase of 11.1 million pounds (more than 27%) and $23.9 million (5%) compared with 2016. The average ex-vessel price per pound of meats decreased from $12.02 in 2016 to $9.90 in 2017.

Bay scallop landings were 272,000 pounds valued at $5.4 million—an increase of 176,000 pounds (nearly 180%) and almost $3.5 million (nearly 180%) compared with 2016. The average ex-vessel price per pound of meats was $19.90 in 2017, compared with $20.10 in 2016.

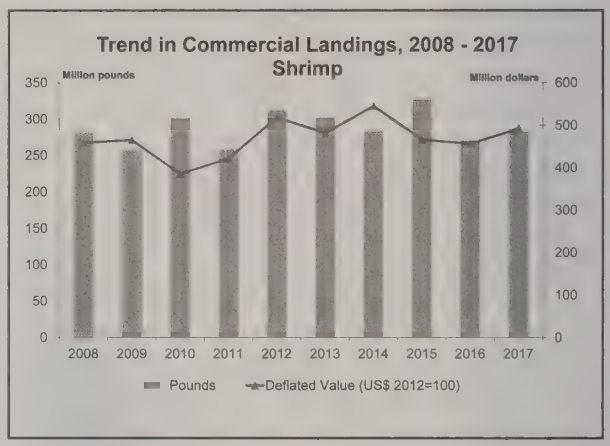
Sea scallop landings were 51.5 million pounds valued at $506.5 million—an increase of 11 million pounds (27%) and more than $20.5 million (over 4%) compared with 2016. Massachusetts and New Jersey were the leading states in landings of sea scallops with 32.4 million and 11 million pounds of meats, respectively, representing over 84 percent of the national total. The average ex-vessel price per pound of meats in 2017 was $9.84 compared with $12.00 in 2016.



SHRIMP

U.S. landings of shrimp were 283.3 million pounds valued at almost $531.0 million—an increase of 12.5 million pounds (almost 5%) and $47.5 million (nearly 10%) compared with 2016. Shrimp landings by region were: New England up 30 percent; South Atlantic up nearly 15 percent; Gulf up 15 percent; and Pacific down 35 percent. The average ex-vessel price per pound of shrimp increased to $1.87 in 2017 from $1.78 in 2016. Gulf region landings were the nation's largest with nearly 216.8 million pounds and almost 77 percent of the national total. Louisiana led all Gulf states with 93.1 million pounds (up nearly 1% compared with 2016); followed by Texas, 75.4 million pounds (up more than 25%); Alabama, more than 24.4 million pounds (up 37%); Florida West Coast, 13.7 million pounds (up almost 33%); and Mississippi, over 10.2 million pounds (up 22%).

In the Pacific region, Oregon had landings of 23 million pounds (down almost 35% compared with 2016); Washington had landings of 7.4 million pounds (down nearly 50%); and California, 4.4 million pounds (up almost 7%).



SQUID

U.S. commercial landings of squid were 207.4 million pounds valued at $116.5 million—an increase of more than 66.5 million pounds (47%) and nearly $18.9 million (19%) compared with 2016. California was the leading state with 137.5 million pounds (over 66% of the national total) and was followed by New Jersey with 24.9 million pounds (12% of the national total). The Pacific Coast region landings were 139.5 million pounds (up 62% compared with 2016); followed by New England, 35.9 million pounds (down almost 9%); followed by the Middle Atlantic region with 31.8 million pounds (up 110%); followed by the South Atlantic region with 196,000 pounds (up 83%); and the Gulf region with 39,000 pounds (down over 44%). The average ex-vessel price per pound for squid was 56 cents in 2017 compared with 69 cents in 2016.

United States Commercial Landings

COMMERCIAL LANDINGS DATA COLLECTION

Commercial landings data used in this publication are collected by our state and regional partners. They are then combined by NMFS Headquarters staff to provide a national overview of landings made by the domestic fishing fleet. Although reporting is required for all commercially-landed species, the data collected and methods used vary widely among fisheries and the various regions. Some data come from the fishermen themselves via a logbook or trip ticket program, while others come from reports from seafood dealers who buy the catch. See the following section for summaries of each of the major regional data sources.

MAINE THROUGH GEORGIA. NMFS receives landings data for the Atlantic Coast (Maine through Georgia) from the Atlantic Coastal Cooperative Statistics Program (ACCSP, http://www.accsp.org). ACCSP is a cooperative state–federal program that designs, implements, and conducts marine fisheries data collection programs to form a single data management system to meet the needs of fishery managers, scientists, and fishermen. ACCSP compiles landings from the relevant state agencies and from NMFS. Most of these landings are collected from reports of seafood dealers using the Standard Atlantic Fisheries Information System (SAFIS), an online reporting tool developed by the ACCSP and used throughout the Atlantic Coast.

FLORIDA THROUGH TEXAS. For Fisheries of the United States, landings data for the Gulf of Mexico region are provided by the NMFS Southeast Fisheries Science Center (http://www.sefsc.noaa.gov/) in cooperation with the Fisheries Information Network of the Gulf States Marine Fisheries Commission (http://www.gsmfc.org). Most of these data are collected through dealer trip-ticket programs administered by the states. Landings data for Florida are provided by ACCSP.

ATLANTIC HIGHLY MIGRATORY SPECIES (HMS). Landings data for Atlantic HMS (swordfish, sharks, bluefin tuna, and BAYS [bigeye, albacore, yellowfin, and skipjack tunas]) are provided by the NMFS' Atlantic HMS Management Division. For all species except bluefin tuna, the data are collected through the existing electronic dealer reporting programs from Maine to Texas, which include SAFIS (including Georgia and South Carolina) and state trip-ticket programs for the Northeast region, North Carolina, and Florida through Texas. For HMS dealers in the Caribbean, data are collected via an HMS-specific dealer reporting program. Atlantic bluefin tuna landings data are from the HMS Management Division's bluefin tuna dealer reporting database.

WASHINGTON, OREGON, and CALIFORNIA. Pacific Coast landings data are provided by the Pacific Fisheries Information Network (PacFIN, http://pacfin.psmfc.org/), a joint state–federal program focused on fisheries data collection and information management for the Pacific Coast. PacFIN includes data from state fish-ticket, port sampling, and logbook programs, as well as limited-entry and observer data provided by NMFS.

ALASKA. Alaska data are provided by the Alaska Fisheries Information Network (AKFIN, http://www.akfin.org). Landings estimates are derived by combining the NMFS Alaska Regional Office's new Catch Accounting System for groundfish and the Alaska Commercial Fisheries Entry Commission-sourced fish tickets for species other than groundfish.

HAWAII. Data for Hawaii and the Pacific Territories are provided by the Western Pacific Fisheries Information System (WPacFIN, http://www.pifsc.noaa.gov/wpacfin/), a program of the NMFS Pacific Islands Fishery Science Center. WPacFIN staff combines Hawaii Department of Aquatic Resources data with landings from the PIFSC Hawaii-based longline fleet logbook program to compile species totals for the state.

GREAT LAKES. Landings data from the Great Lakes are provided by the U.S. Geological Survey's Great Lakes Science Center (http://www.glsc.usgs.gov/). These data lag the other landings data by 1 year.

LANDINGS BY DISTANCE-FROM-SHORE. Landings by distance-from-shore have been included in Fisheries of the United States for many decades. The categories for distance-from-shore reporting are: "0 to 3 miles from shore" corresponding to state waters; "3-200 miles from shore" corresponding to federally managed waters in the Exclusive Economic Zone (EEZ) of the United States; and "High seas or off Foreign Waters" corresponding to ocean areas beyond the EEZ. Distance-from-shore is derived from spatial elements in the data where it is available. The distribution of landings by distance-from-shore is

usually estimated based on historic data and industry knowledge because location of the catch is not a required reporting element for most fisheries. The Landings by Distance-From-Shore table includes landings, primarily tuna, caught by US-flagged purse seine and trolling vessels that are landed in foreign ports. These ports are located in American Samoa, Federated States of Micronesia, Kiribati, Papua New Guinea, and the Marshall Islands. Data are estimated by NMFS staff in the Southwest Fisheries Science Center, Pacific Islands Regional Office, and Pacific Islands Fisheries Science Center based on unloading receipts. All of these catches are assumed to have been made on the high seas, beyond 200 miles off-shore. This table also includes landings of Atlantic groundfish and Pacific albacore in Canada made by US-flagged vessels under international agreement.

U.S. DOMESTIC LANDINGS, BY SPECIES, 2016 AND 2017 (1)

Species	2016			2017			Average (2012-2016)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Fish							
Alewife	1,332	604	408	9	4	3	1,511
Anchovies	18,927	8,585	1,236	12,378	5,615	860	19,942
Atka mackerel	121,286	55,015	31,516	142,743	64,748	33,934	92,775
Bluefish	4,533	2,056	3,037	4,348	1,972	3,087	4,723
Blue runner	297	135	254	275	125	231	317
Bonito	275	125	181	1,998	906	633	183
Butterfish	3,248	1,473	1,945	8,535	3,871	4,693	4,291
Catfish and bullheads	12,682	5,753	6,342	13,708	6,218	6,673	10,625
Chubs	200	91	548	178	81	455	148
Cod:							
Atlantic	3,221	1,461	6,140	1,857	842	4,444	5,452
Pacific	708,572	321,406	171,400	657,321	298,159	156,371	705,103
Crevalle (jack)	698	317	532	708	321	589	616
Croaker:							
Atlantic	6,482	2,940	6,536	4,167	1,890	4,885	8,624
Pacific (white)	34	15	29	34	15	26	14
Cusk	85	39	50	72	33	39	94
Dolphinfish	2,216	1,005	7,626	1,642	745	5,664	2,451
Eels, American	852	386	14,460	812	368	13,910	941
Flatfish:							
Atlantic and Gulf							
American plaice	2,268	1,029	5,681	2,701	1,225	6,281	2,869
Summer flounder	7,760	3,520	30,327	5,749	2,608	24,787	10,747
Winter flounder	2,561	1,162	7,900	2,347	1,065	6,971	4,408
Witch flounder	877	398	2,686	982	445	2,471	1,403
Yellowtail flounder	1,245	565	2,084	2,377	1,078	2,979	3,033
Other	2,491	1,130	4,858	2,090	948	6,601	2,737
Total, Atlantic/Gulf	**17,202**	**7,803**	**53,536**	**16,246**	**7,369**	**50,090**	**25,197**
Pacific							
Arrowtooth flounder	62,051	28,146	6,069	69,606	31,573	8,191	78,873
Dover sole	15,699	7,121	6,977	12,965	5,881	5,660	14,731
Flathead sole	25,008	11,344	3,638	22,107	10,028	3,944	31,146
Petrale sole	5,883	2,669	7,006	6,414	2,909	7,404	4,846
Rock sole	101,979	46,257	14,812	78,880	35,780	12,660	123,837
Yellowfin sole	289,257	131,206	37,333	283,658	128,666	39,288	311,883
Other	48,368	21,940	12,020	54,990	24,943	13,991	60,168
Total, Pacific	**548,245**	**248,682**	**87,855**	**528,620**	**239,780**	**91,138**	**625,484**

(continued)

U.S. DOMESTIC LANDINGS, BY SPECIES, 2016 AND 2017 (1)

Species	2016			2017			Average (2012-2016)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Halibut	25,166	11,415	127,008	26,466	12,005	125,785	27,397
Total, flatfish	**590,613**	**267,900**	**268,399**	**571,332**	**259,154**	**267,013**	**678,078**
Goosefish (monkfish)	19,913	9,032	19,981	23,990	10,882	18,438	19,634
Groupers	8,545	3,876	31,626	6,437	2,920	25,121	8,785
Haddock	11,057	5,015	13,315	12,101	5,489	11,947	8,297
Hakes:							
Pacific (whiting)	558,047	253,128	46,639	773,885	351,032	60,373	463,813
Red	1,081	490	520	877	398	456	1,301
Silver (Atl. whiting)	13,929	6,318	10,615	11,800	5,352	9,009	14,876
White	3,029	1,374	4,727	4,465	2,025	4,596	4,389
Herring:							
Sea:							
Atlantic	139,263	63,169	29,675	110,804	50,260	28,244	184,243
Pacific	52,287	23,717	5,528	69,116	31,351	8,152	78,819
Thread	2,225	1,009	450	1,874	850	421	1,641
Jack mackerel	799	362	63	1,043	473	49	2,040
Lingcod	1,483	673	2,150	2,275	1,032	3,049	1,488
Mackerels:							
Atlantic	11,777	5,342	3,089	15,171	6,882	4,034	11,713
Chub	4,606	2,089	594	4,837	2,194	642	14,043
King and Cero	5,123	2,324	11,195	6,200	2,812	13,065	4,824
Spanish	4,741	2,151	5,252	4,218	1,913	4,942	4,209
Menhaden:							
Atlantic	363,473	164,870	36,453	396,253	179,739	53,292	411,000
Gulf	1,364,029	618,719	143,338	1,016,851	461,241	72,203	1,156,820
Total, menhaden	**1,727,502**	**783,590**	**179,791**	**1,413,104**	**640,980**	**125,495**	**1,567,820**
Mullets	12,862	5,834	9,505	9,902	4,492	7,062	12,830
Pollock:							
Atlantic	5,692	2,582	6,368	7,163	3,249	6,152	9,685
Walleye (Alaska)	3,355,068	1,521,849	417,207	3,388,620	1,537,068	413,273	3,127,723
Rockfishes:							
Ocean perch:							
Atlantic (redfish)	8,573	3,889	5,134	11,387	5,165	6,307	9,174
Pacific	114,152	51,779	23,040	111,775	50,701	18,919	100,481
Other	42,314	19,194	16,758	53,717	24,366	21,196	42,164
Total, rockfishes	**165,039**	**74,861**	**44,932**	**176,879**	**80,232**	**46,422**	**151,819**
Sablefish	33,575	15,230	116,882	37,783	17,138	143,424	36,964

(continued)

U.S. DOMESTIC LANDINGS, BY SPECIES, 2016 AND 2017 (1)

Species	2016			2017			Average (2012-2016)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Salmon:							
Chinook	11,862	5,381	48,623	8,989	4,077	42,137	16,782
Chum	101,359	45,976	56,708	177,136	80,348	115,561	123,796
Coho	30,305	13,746	34,869	35,185	15,960	42,708	33,583
Pink	130,258	59,085	29,793	495,301	224,667	163,621	392,369
Sockeye	287,252	130,297	250,240	291,587	132,263	323,743	243,901
Total, salmon	**561,036**	**254,484**	**420,233**	**1,008,198**	**457,316**	**687,770**	**810,431**
Sardines:							
Pacific	1,108	503	192	744	337	61	83,846
Spanish	1,612	731	300	807	366	142	1,131
Scup or porgy	15,903	7,214	10,911	15,486	7,024	9,746	16,443
Sea bass:							
Black (Atlantic)	2,894	1,313	9,903	4,302	1,951	13,160	2,890
White (Pacific)	234	106	852	232	105	921	272
Sea trout or weakfish:							
Gray	182	83	324	191	87	349	240
Spotted	361	164	972	444	201	1,240	416
Sand (white)	23	10	22	23	10	21	39
Shads:							
American	383	174	290	593	269	422	650
Hickory	104	47	34	83	38	27	110
Sharks:							
Dogfish	28,238	12,809	6,056	25,150	11,408	4,207	24,055
Other	3,142	1,425	2,810	3,239	1,469	2,998	3,277
Sheepshead (Atlantic)	1,355	615	1,001	1,280	581	1,084	1,538
Skates	54,206	24,588	13,426	57,410	26,041	15,814	56,764
Smelts	397	180	250	391	177	269	654
Snappers:							
Red	6,639	3,011	26,790	6,982	3,167	28,786	5,683
Vermilion	2,427	1,101	7,379	2,494	1,131	7,496	2,591
Unclassified	3,301	1,497	11,012	3,765	1,708	12,552	3,062
Spearfish	3,137	1,423	4,931	3,308	1,500	4,676	2,702
Spot	707	321	863	2,361	1,071	4,425	2,617
Striped bass	4,979	2,258	19,852	5,069	2,299	23,392	5,876
Swordfish	5,791	2,627	17,212	6,428	2,916	17,798	6,915
Tenpounder (ladyfish)	2,350	1,066	1,849	1,393	632	1,105	1,541
Tilefish	2,268	1,029	8,005	2,785	1,263	8,803	2,983
Trout, rainbow	390	177	853	203	92	461	385

(continued)

U.S. DOMESTIC LANDINGS, BY SPECIES, 2016 AND 2017 (1)

Species	2016			2017			Average (2012-2016)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Tuna:							
Albacore	24,079	10,922	39,402	17,079	7,747	35,885	28,356
Bigeye	19,643	8,910	79,183	19,315	8,761	73,253	18,072
Bluefin	2,668	1,211	14,028	2,892	1,312	10,136	1,779
Little tunny	675	306	333	734	333	368	671
Skipjack	637	289	829	591	268	821	672
Yellowfin	8,199	3,719	23,591	14,222	6,451	33,810	7,747
Unclassified	72	32	111	71	32	119	87
Total, tuna	**55,973**	**25,389**	**157,477**	**54,904**	**24,904**	**154,392**	**57,384**
Whitefish, Lake	6,231	2,826	10,865	5,757	2,611	8,532	7,652
Wolffish, Atlantic	-	-	-	-	-	-	-
Yellow perch	1,529	694	4,094	1,406	638	4,442	1,786
Other marine finfishes	49,663	22,527	62,737	41,269	18,719	83,581	41,254
Other freshwater finfishes	13,053	5,921	6,062	12,111	5,494	5,374	13,851
Total, fish	**8,442,812**	**3,829,634**	**2,288,300**	**8,773,469**	**3,979,619**	**2,541,922**	**8,425,882**
Shellfish							
Crustaceans:							
Crabs:							
Blue: Hard	157,466	71,426	213,838	142,388	64,587	189,762	152,433
Soft and peeler	784	356	2,701	897	407	2,677	913
Dungeness	64,166	29,106	222,640	61,293	27,802	212,678	56,711
Jonah	15,358	6,966	11,751	17,255	7,827	16,282	14,706
King	14,592	6,619	104,669	12,895	5,849	81,347	16,117
Snow (Tanner):							
Opilio	39,574	17,951	79,924	21,320	9,671	57,929	65,575
Bairdi	11,771	5,339	25,939	2,393	1,085	7,249	9,719
Other	13,637	6,186	42,826	16,137	7,320	42,453	11,561
Total, crabs	**317,348**	**143,948**	**704,288**	**274,578**	**124,548**	**610,377**	**327,735**
Crawfish (freshwater)	12,036	5,459	10,660	8,111	3,679	10,950	11,051
Lobsters:							
American	158,561	71,923	666,679	132,973	60,316	552,057	150,228
Spiny	5,861	2,659	55,936	3,973	1,802	41,817	5,628

(continued)

U.S. DOMESTIC LANDINGS, BY SPECIES, 2016 AND 2017 (1)

Species	2016			2017			Average (2012-2016)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Shrimp:							
New England	51	23	279	89	40	480	1,248
South Atlantic	25,843	11,722	62,069	29,671	13,459	71,383	20,455
Gulf	188,984	85,723	369,967	216,780	98,331	425,854	195,329
Pacific	55,746	25,286	50,696	36,489	16,551	32,822	78,683
Other	163	74	419	243	110	438	46
Total, shrimp	**270,787**	**122,828**	**483,430**	**283,272**	**128,491**	**530,977**	**295,761**
Total, crustaceans	**764,593**	**346,817**	**1,920,993**	**702,907**	**318,837**	**1,746,178**	**790,403**
Mollusks:							
Clams:							
Quahog (hard)	8,702	3,947	61,901	7,278	3,301	52,975	7,417
Geoduck (Pacific)	2,584	1,172	64,636	2,305	1,046	67,390	2,543
Manila (Pacific)	990	449	19,373	363	165	6,155	953
Ocean quahog	30,740	13,944	26,252	31,469	14,274	29,707	31,904
Softshell	2,549	1,156	24,786	2,200	998	17,937	3,259
Surf (Atlantic)	41,898	19,005	31,627	40,162	18,217	32,723	42,214
Other	1,423	645	6,281	1,106	502	3,868	1,167
Total, clams	**88,886**	**40,318**	**234,856**	**84,883**	**38,503**	**210,755**	**89,457**
Conch (snails)	2,724	1,236	10,327	1,717	779	7,798	4,104
Mussels, blue (sea)	6,445	2,923	11,023	3,534	1,603	7,187	4,821
Oysters	33,295	15,103	217,170	31,805	14,427	236,418	34,574
Scallops:							
Bay	97	44	1,950	272	123	5,414	152
Sea	40,514	18,377	486,101	51,461	23,343	506,531	41,566
Squid:							
Atlantic:							
Illex	14,728	6,681	7,218	49,640	22,517	22,152	14,715
Loligo	39,946	18,119	49,893	17,993	8,162	25,357	29,097
Unclassified	1,748	793	229	2,294	1,041	374	2,114
Pacific:							
Loligo	84,501	38,329	40,315	137,482	62,362	68,635	167,320
Unclassified	-	-	-	-	-	-	9
Total, Squid	**140,923**	**63,922**	**97,655**	**207,409**	**94,080**	**116,518**	**213,255**
Total, mollusks	**312,884**	**141,923**	**1,059,082**	**381,081**	**172,857**	**1,090,621**	**387,929**
Other shellfish	15,453	7,009	17,793	24,053	10,910	19,156	17,298
Total, Shellfish	**1,092,930**	**495,750**	**2,997,868**	**1,108,041**	**502,604**	**2,855,955**	**1,195,630**

(continued)

U.S. DOMESTIC LANDINGS, BY SPECIES, 2016 AND 2017 (1)

Species	2016			2017			Average (2012-2016)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Other							
Horseshoe crab	1,895	860	1,643	2,756	1,250	2,188	2,089
Sea urchins	9,303	4,220	15,242	7,648	3,469	14,587	13,074
Seaweed, unclassified	24,521	11,123	1,038	23,582	10,697	1,014	20,607
Kelp (with herring eggs)	-	-	-	-	-	-	18
Worms	576	261	7,605	428	194	5,759	643
Total, other	**36,295**	**16,463**	**25,528**	**34,414**	**15,610**	**23,548**	**36,431**
Grand Total, U.S.	**9,572,037**	**4,341,848**	**5,311,696**	**9,915,924**	**4,497,834**	**5,421,425**	**9,657,943**

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River drainage area states are not available.

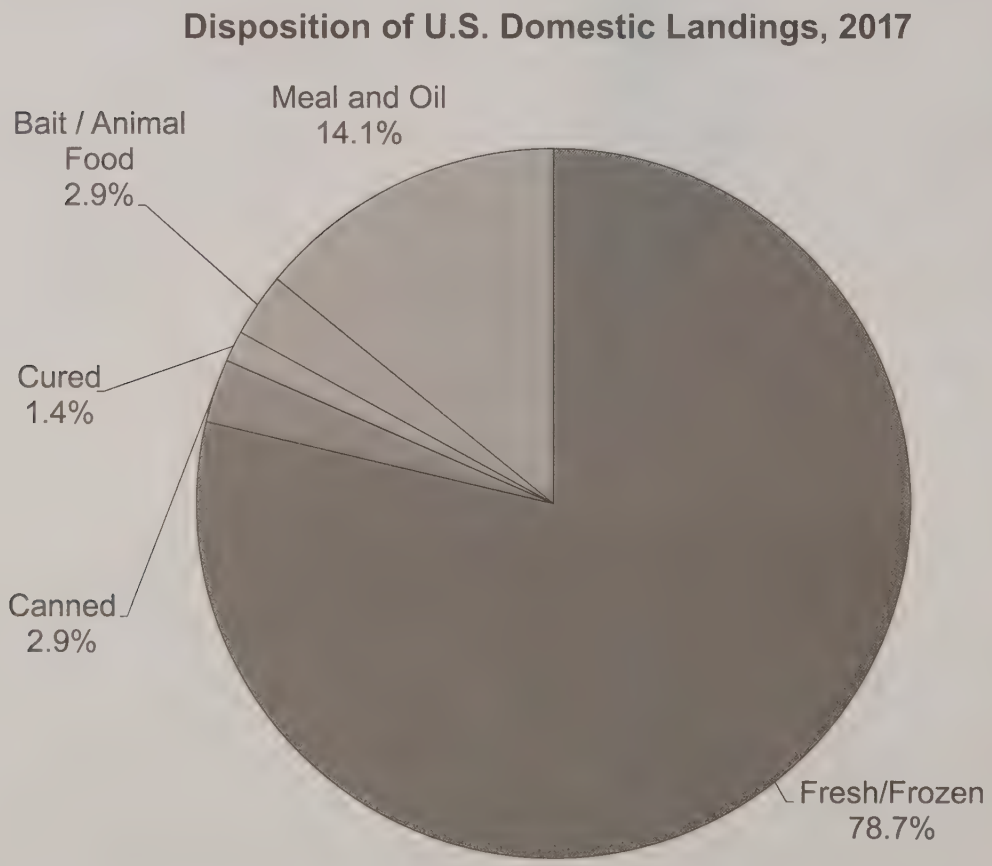
(2) Less than 500 lb., 0.5 M.T., or $500.

Note: Totals may not add due to rounding. Data do not include landings by U.S.-flag vessels at ports outside the 50 states. Data do not include aquaculture products, except oysters and clams. Metric tons are arrived at by dividing the landings of individual species and group totals by 2.2046.

DISPOSITION OF U.S. DOMESTIC LANDINGS, 2016 AND 2017

End Use	2016			2017		
	Million pounds	Thousand metric tons	Percent	Million pounds	Thousand metric tons	Percent
Fresh and frozen:						
For human food	7,207	3,269	72.7	7,803	3,539	78.7
For bait and animal food	302	137	3.0	288	131	2.9
Total	**7,509**	**3,406**	**75.7**	**8,091**	**3,670**	**81.6**
Canned:						
For human food	186	84	1.9	289	131	2.9
For bait and animal food	-	-	0.0	-	-	0.0
Total	**186**	**84**	**1.9**	**289**	**131**	**2.9**
Cured for human food	57	26	0.6	136	62	1.4
Reduction to meal, oil, other	1,820	826	18.4	1,400	635	14.1
Grand total	**9,572**	**4,342**	**100.0**	**9,916**	**4,498**	**100.0**

Note: Table may not add due to rounding.



U.S. COMMERCIAL LANDINGS OF FISH AND SHELLFISH, 2008-2017 (1)

Year	Landings for human food			Landings for industrial purposes (2)			Total		
	Million pounds	Thousand metric tons	Million dollars	Million pounds	Thousand metric tons	Million dollars	Million pounds	Thousand metric tons	Million dollars
2008	6,633	3,009	4,231	1,692	767	152	8,325	3,776	4,383
2009	6,198	2,811	3,733	1,833	831	158	8,031	3,643	3,891
2010	6,526	2,960	4,356	1,705	773	164	8,231	3,734	4,520
2011	7,909	3,587	5,108	1,949	884	181	9,858	4,472	5,289
2012	7,477	3,392	4,923	2,157	978	180	9,634	4,370	5,103
2013	8,043	3,648	5,268	1,827	829	198	9,870	4,477	5,466
2014	7,828	3,551	5,256	1,658	752	192	9,486	4,303	5,448
2015	7,750	3,515	4,972	1,968	893	231	9,718	4,408	5,203
2016	7,484	3,395	5,007	2,088	947	305	9,572	4,342	5,312
2017	8,228	3,732	5,187	1,688	766	234	9,916	4,498	5,421

(1) Statistics on landings are shown in round weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are shown in weight of meats (excluding the shell).

(2) Processed into meal, oil, solubles, and shell products, or used as bait or animal food.

* Record. For industrial purposes 1983, 3,201 million lb.; For human food 1993 8,214 million lb.; Total record 1993, 10,467 million lb.

NOTE: Data do not include landings outside the 50 states or products of aquaculture, except oysters and clams.

U.S. DOMESTIC LANDINGS, BY REGION AND BY STATE, 2016 AND 2017 (1)

Regions and States	2016			2017			Record Landings	
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Year	Thousand pounds
New England:	**595,087**	**269,930**	**1,328,285**	**555,661**	**252,046**	**1,266,061**	**-**	**-**
Maine	247,947	112,468	633,675	208,677	94,655	511,315	1950	356,266
New Hampshire	7,926	3,595	33,480	10,621	4,818	35,011	2003	27,435
Massachusetts	244,304	110,816	552,175	242,137	109,832	605,250	1948	649,696
Rhode Island	82,541	37,440	93,869	84,108	38,151	100,768	1957	142,080
Connecticut	12,369	5,611	15,086	10,118	4,590	13,717	1930	88,012
Middle Atlantic:	**577,384**	**261,900**	**548,681**	**620,317**	**281,374**	**508,062**	**-**	**-**
New York	29,155	13,225	47,726	24,741	11,222	47,767	1880	335,000
New Jersey	123,607	56,068	193,013	198,602	90,085	190,549	1956	540,060
Delaware	4,980	2,259	10,097	4,729	2,145	9,140	1953	367,500
Maryland	56,316	25,545	94,644	48,281	21,900	77,403	1890	141,607
Virginia	363,326	164,804	203,201	343,964	156,021	183,203	1990	786,794
South Atlantic:	**109,967**	**49,881**	**200,727**	**121,932**	**55,308**	**223,451**	**-**	**-**
North Carolina	59,330	26,912	94,386	62,587	28,389	97,306	1981	432,006
South Carolina	15,833	7,182	24,645	15,744	7,141	25,495	1965	26,611
Georgia	6,357	2,884	11,886	9,416	4,271	16,834	1927	47,607
Florida, East Coast	28,447	12,903	69,810	34,185	15,506	83,816	1952	264,561 (4)
Gulf:	**1,716,140**	**778,436**	**856,946**	**1,385,574**	**628,492**	**855,590**	**-**	**-**
Florida, West Coast	69,127	31,356	178,894	64,859	29,420	182,359	1952	264,561 (4)
Alabama	24,869	11,281	50,797	31,396	14,241	64,532	1973	36,744
Mississippi	304,054	137,918	29,405	311,027	141,081	30,425	1984	476,997
Louisiana	1,244,403	564,457	407,222	890,575	403,962	354,301	1984	1,931,027
Texas	73,687	33,424	190,628	87,717	39,788	223,973	1960	237,684
Pacific Coast:	**6,523,654**	**2,959,110**	**2,239,762**	**7,181,926**	**3,257,700**	**2,435,113**	**-**	**-**
Alaska	5,585,905	2,533,750	1,550,840	6,004,883	2,723,796	1,764,462	2015	6,038,185
Washington (5)	551,860	250,322	321,072	665,895	302,048	313,747	2016	551,860
Oregon	209,486	95,022	151,711	296,485	134,484	147,058	2013	339,614
California	176,403	80,016	216,139	214,663	97,371	209,846	1936	1,760,193
Great Lakes (3):	**14,755**	**6,693**	**19,162**	**13,352**	**6,056**	**16,780**	**-**	**-**
Illinois	-	-	-	-	-	-	-	(2)
Michigan	6,698	3,038	9,837	6,201	2,813	8,146	1930	35,580
Minnesota	286	130	238	245	111	214	-	(2)
New York	62	28	137	82	37	192	-	(2)
Ohio	4,585	2,080	4,981	4,086	1,853	4,983	1936	31,083
Pennsylvania	105	48	125	68	31	231	-	(2)
Wisconsin	3,019	1,369	3,844	2,670	1,211	3,014	-	(2)
Hawaii	35,051	15,899	118,134	37,162	16,857	116,368	2017	37,162
Total, United States	**9,572,038**	**4,341,848**	**5,311,697**	**9,915,924**	**4,497,834**	**5,421,425**	**---**	**---**

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops which are reported in weight of meats (excluding the shell).
(2) Data not available.
(3) Data for the Great Lakes states lag by one year - i.e. data for 2014 (under 2015) and 2015 (under 2016) are in this table.
(4) Record landings for Florida is for all of Florida. Highest Florida landings since 1950 by coast: East - 163,426 (1951), West - 145,659 (1989).
(5) Washington landings incude at-sea processors.
NOTE: Data are preliminary. Totals may not add due to rounding. Data do not include landings by U.S.-flag vessels at Puerto Rico and other ports outside the 50 States. Therefore, they will not agree with the U.S. Commercial Landings by Distance from Shore table beginning on page 15.

COMMERCIAL FISHERY LANDINGS AND VALUE AT MAJOR U.S. PORTS, 2016-2017

Port	Quantity		Port	Value	
	2016	2017		2016	2017
	Million pounds			Million dollars	
Dutch Harbor, AK	770	769	New Bedford, MA	327	390
Aleutian Islands (Other), AK	508	552	Dutch Harbor, AK	198	173
Kodiak, AK	417	530	Naknek, AK	108	154
Reedville, VA	321	320	Kodiak, AK	107	152
Pascagoula-Moss Point, MS	285	301	Alaska Peninsula (Other), AK	85	112
Empire-Venice, LA	440	294	Aleutian Islands (Other), AK	105	106
Alaska Penninsula (Other), AK	243	268	Honolulu, HI	106	104
Intracoastal City, LA	215	198	Empire-Venice, LA	122	100
Naknek, AK	170	187	Cape May-Wildwood, NJ	85	81
Astoria, OR	94	151	Sitka, AK	55	75
Westport, WA	108	150	Cordova, AK	38	65
Newport, OR	77	112	Bristol Bay (Other), AK	76	64
New Bedford, MA	107	111	Westport, WA	59	64
Cape May-Wildwood, NJ	47	102	Brownsville-Port Isabel, TX	53	63
Cordova, AK	35	99	Seward, AK	42	60
Sitka, AK	56	91	Bayou La Batre, AL	45	59
Port Hueneme-Oxnard-Ventura, CA	38	91	Key West, FL	67	58
Ketchikan, AK	65	77	Hampton Roads Area, VA	61	58
Petersburg, AK	41	65	Point Judith, RI	56	57
Gloucester, MA	63	64	Dulac-Chauvin, LA	48	56
Seward, AK	27	51	Stonington, ME	68	56
Portland, ME	50	49	Galveston, TX	45	55
Point Judith, RI	53	44	Gloucester, MA	52	53
Los Angeles, CA	37	43	Newport, OR	48	53
Bristol Bay (Other), AK	54	43	Port Hueneme-Oxnard-Ventura, CA	26	53
Point Pleasant, NJ	26	38	Petersburg, AK	37	52
Dulac-Chauvin, LA	32	37	Palacios, TX	39	49
Honolulu, HI	32	34	Ketchikan, AK	36	46
Kenai, AK	22	32	Astoria, OR	42	40
Bayou La Batre, AL	22	28	Tampa Bay-St. Petersburg, FL	23	39
North Kingstown, RI	18	27	Port Arthur, TX	33	37
Atlantic City, NJ	24	25	Vinalhaven, ME	42	37
Rockland, ME	34	23	Point Pleasant, NJ	32	35
Brownsville-Port Isabel, TX	18	23	Provincetown-Chatham, MA	33	34
Provincetown-Chatham, MA	27	22	Reedville, VA	31	33
Palacios, TX	15	20	Kenai, AK	25	32
Coos Bay-Charleston, OR	21	19	Intracoastal City, LA	26	32
Galveston, TX	15	19	Portland, ME	38	31
Grand Isle, LA		18	Seattle, WA	26	29
Juneau, AK	16	18	Juneau, AK	23	28
Stonington, ME	23	18	Coos Bay-Charleston, OR	28	28
Port Arthur, TX	15	17	Delacroix-Yscloskey, LA	29	26
Boston, MA	12	16	Los Angeles, CA	19	26
Wanchese-Stumpy Point, NC	16	16	Newington, NH	22	25
Ilwaco-Chinook, WA	13	16	Long Beach-Barnegat, NJ	27	25
Hampton Roads Area, VA	12	16	Golden Meadow-Leeville, LA	25	25
Golden Meadow-Leeville, LA	17	15	Wanchese-Stumpy Point, NC	21	24
Key West, FL	16	15	Fort Myers, FL	17	23
Beaufort-Morehead City, NC	8	14	Bellingham, WA	21	23
Tampa Bay-St. Petersburg, FL	10	14	Ilwaco-Chinook, WA	22	22

Notes: Certain leading ports have not been included to avoid disclosure of private enterprise information.
Some Alaskan ports are grouped together to protect confidential information. The procedure for doing this was updated for the 2012 edition of FUS. This table has been updated for 2011 and 2012, but direct comparison to prior editions of FUS will not be possible.
The record landings for quantity; Dutch Harbor - Unalaska, AK 787.4 million pounds in 2015 and for value; New Bedford, MA $ 411.1 million in 2012.

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2017 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fish												
Alewife	9	4	3	-	-	-	-	-	-	9	4	3
Anchovies	12,257	5,560	851	121	55	9	-	-	-	12,378	5,615	860
Atka mackerel	53	24	13	142,690	64,724	33,921	-	-	-	142,743	64,748	33,934
Bluefish	1,956	887	1,361	2,392	1,085	1,726	-	-	-	4,348	1,972	3,087
Blue runner	125	57	106	150	68	125	-	-	-	275	125	231
Bonito	979	444	313	1,019	462	320	-	-	-	1,998	906	633
Butterfish	459	208	350	8,076	3,663	4,343	-	-	-	8,535	3,871	4,693
Catfish & bullheads	13,707	6,217	6,672	1	-	1	-	-	-	13,708	6,218	6,673
Chubs	178	81	455	-	-	-	-	-	-	178	81	455
Cod:												
Atlantic	71	32	171	1,786	810	4,273	-	-	-	1,857	842	4,444
Pacific	90,853	41,211	28,770	566,468	256,948	127,601	-	-	-	657,321	298,159	156,371
Crevalle (jack)	678	308	569	30	13	20	-	-	-	708	321	589
Croaker:												
Atlantic	2,196	996	2,842	1,971	894	2,043	-	-	-	4,167	1,890	4,885
Pacific (white)	21	10	16	13	6	10	-	-	-	34	15	26
Cusk	4	2	2	68	31	37	-	-	-	72	33	39
Dolphinfish	53	24	178	1,122	509	3,827	467	212	1,659	1,642	745	5,664
Eel, American	790	358	13,863	22	10	47	-	-	-	812	368	13,910
Flatfish:												
Atlantic and Gulf												
American plaice	32	15	77	2,669	1,211	6,204	-	-	-	2,701	1,225	6,281
Summer flounder	688	312	3,171	5,061	2,296	21,616	-	-	-	5,749	2,608	24,787
Winter flounder	247	112	732	2,100	952	6,239	-	-	-	2,347	1,065	6,971
Witch flounder	11	5	27	971	440	2,444	-	-	-	982	445	2,471
Yellowtail flounder	91	41	118	2,286	1,037	2,861	-	-	-	2,377	1,078	2,979
Other	1,646	747	6,439	444	201	162	-	-	-	2,090	948	6,601
Total Atlantic/Gulf	**2,715**	**1,232**	**10,564**	**13,531**	**6,138**	**39,526**	**-**	**-**	**-**	**16,246**	**7,369**	**50,090**

(continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2017 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Pacific												
Arrowtooth flounder	126	57	12	69,480	31,516	8,179	-	-	-	69,606	31,573	8,191
Dover sole	727	330	322	12,238	5,551	5,338	-	-	-	12,965	5,881	5,660
Flathead sole	21	9	4	22,086	10,018	3,940	-	-	-	22,107	10,028	3,944
Petrale sole	598	271	666	5,816	2,638	6,738	-	-	-	6,414	2,909	7,404
Rock sole	57	26	10	78,823	35,754	12,650	-	-	-	78,880	35,780	12,660
Yellowfin sole	67	31	10	283,591	128,636	39,278	-	-	-	283,658	128,666	39,288
Other	508	230	1,222	54,482	24,713	12,769	-	-	-	54,990	24,943	13,991
Total Pacific	**2,104**	**954**	**2,246**	**526,516**	**238,826**	**88,892**	**-**	**-**	**-**	**528,620**	**239,780**	**91,138**
Halibut	8,153	3,698	38,686	18,313	8,307	87,099	-	-	-	26,466	12,005	125,785
Total flatfish	**12,972**	**5,884**	**51,496**	**558,360**	**253,270**	**215,517**	**-**	**-**	**-**	**571,332**	**259,154**	**267,013**
Goosefish (monkfish)	552	251	500	23,438	10,631	17,938	-	-	-	23,990	10,882	18,438
Groupers	66	30	282	6,371	2,890	24,839	-	-	-	6,437	2,920	25,121
Haddock	1,878	852	1,825	10,223	4,637	10,122	-	-	-	12,101	5,489	11,947
Hakes:	-	-	-									
Pacific (whiting)	-	-	-	773,885	351,032	60,373	-	-	-	773,885	351,032	60,373
Red	49	22	30	828	375	426	-	-	-	877	398	456
Silver (Atl. whiting)	487	221	398	11,313	5,132	8,611	-	-	-	11,800	5,352	9,009
White	7	3	10	4,458	2,022	4,586	-	-	-	4,465	2,025	4,596
Herring:												
Sea:												
Atlantic	12,167	5,519	3,587	98,637	44,741	24,657	-	-	-	110,804	50,260	28,244
Pacific	700	317	210	68,416	31,033	7,942	-	-	-	69,116	31,351	8,152
Thread	1,598	725	354	276	125	67	-	-	-	1,874	850	421
Jack mackerel	243	110	41	800	363	8	-	-	-	1,043	473	49
Lingcod	960	435	1,345	1,315	597	1,704	-	-	-	2,275	1,032	3,049
Mackerels:												
Atlantic	669	303	184	14,502	6,578	3,850	-	-	-	15,171	6,882	4,034
Chub	4,758	2,158	639	79	36	3	-	-	-	4,837	2,194	642
King and cero	700	317	1,644	5,500	2,495	11,421	-	-	-	6,200	2,812	13,065
Spanish	3,193	1,448	3,454	1,025	465	1,488	-	-	-	4,218	1,913	4,942

(continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2017 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Menhaden:												
Atlantic	308,834	140,086	41,043	87,419	39,653	12,249	-	-	-	396,253	179,739	53,292
Gulf	1,012,751	459,381	71,748	4,100	1,860	455	-	-	-	1,016,851	461,241	72,203
Total menhaden	**1,321,585**	**599,467**	**112,791**	**91,519**	**41,513**	**12,704**	**-**	**-**	**-**	**1,413,104**	**640,980**	**125,495**
Mullets	9,645	4,375	6,850	257	116	212	-	-	-	9,902	4,492	7,062
Pollock:												
Atlantic	79	36	71	7,084	3,213	6,081	-	-	-	7,163	3,249	6,152
Walleye (Alaska)	26,171	11,871	2,349	3,362,449	1,525,197	410,924	-	-	-	3,388,620	1,537,068	413,273
Rockfishes:												
Ocean perch:												
Atlantic (redfish)	112	51	62	11,275	5,114	6,245	-	-	-	11,387	5,165	6,307
Pacific	1,293	587	34	110,482	50,114	18,885	-	-	-	111,775	50,701	18,919
Other	1,678	761	2,318	52,039	23,605	18,878	-	-	-	53,717	24,366	21,196
Total rockfishes	**3,083**	**1,398**	**2,414**	**173,796**	**78,833**	**44,008**	**-**	**-**	**-**	**176,879**	**80,232**	**46,422**
Sablefish	2,310	1,048	8,347	35,473	16,090	135,077	-	-	-	37,783	17,138	143,424
Salmon:												
Chinook or king	5,009	2,272	19,424	3,980	1,805	22,713	-	-	-	8,989	4,077	42,137
Chum or keta	13,700	6,214	12,117	163,436	74,134	103,444	-	-	-	177,136	80,348	115,561
Coho	2,150	975	4,403	33,035	14,984	38,305	-	-	-	35,185	15,960	42,708
Pink	551	250	206	494,750	224,417	163,415	-	-	-	495,301	224,667	163,621
Sockeye	109	50	350	291,478	132,214	323,393	-	-	-	291,587	132,263	323,743
Total salmon	**21,519**	**9,761**	**36,500**	**986,679**	**447,555**	**651,270**	**-**	**-**	**-**	**1,008,198**	**457,316**	**687,770**
Sardines:												
Pacific	744	338	61	-	-	-	-	-	-	744	337	61
Spanish	748	339	133	59	27	9	-	-	-	807	366	142
Scup or porgy	5,441	2,468	3,388	10,045	4,556	6,358	-	-	-	15,486	7,024	9,746
Sea bass:												
Black (Atlantic)	818	371	2,632	3,484	1,580	10,528	-	-	-	4,302	1,951	13,160
White (Pacific)	81	37	322	151	69	599	-	-	-	232	105	921
Sea trout or weakfish:												
Gray	84	38	151	107	48	198	-	-	-	191	87	349
Spotted	431	195	1,210	13	6	30	-	-	-	444	201	1,240
Sand (white)	15	7	16	8	4	5	-	-	-	23	10	21

(continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2017 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Shads:												
American	485	220	398	108	49	24	-	-	-	593	269	422
Hickory	82	37	27	1	1	-	-	-	-	83	38	27
Sharks:												
Dogfish	5,585	2,533	710	19,565	8,875	3,497	-	-	-	25,150	11,408	4,207
Other	763	346	355	2,384	1,081	2,573	92	42	70	3,239	1,469	2,998
Sheepshead (Atlantic)	1,245	565	1,041	35	16	43	-	-	-	1,280	581	1,084
Skates	4,787	2,171	1,159	52,622	23,869	14,654	1	1	1	57,410	26,041	15,814
Smelts	303	138	215	88	40	54	-	-	-	391	177	269
Snappers:												
Red	769	349	2,847	6,213	2,818	25,939	-	-	-	6,982	3,167	28,786
Vermilion	51	23	184	2,443	1,108	7,312	-	-	-	2,494	1,131	7,496
Unclassified	585	265	1,987	3,180	1,443	10,565	-	-	-	3,765	1,708	12,552
Spearfish	15	7	22	1,107	502	1,558	2,186	992	3,096	3,308	1,500	4,676
Spot	1,524	691	2,938	837	380	1,487	-	-	-	2,361	1,071	4,425
Striped bass	5,069	2,299	23,392	-	-	-	-	-	-	5,069	2,299	23,392
Swordfish	136	61	369	3,118	1,414	9,924	3,174	1,440	7,505	6,428	2,916	17,798
Tenpounder (ladyfish)	1,383	627	1,099	10	4	6	-	-	-	1,393	632	1,105
Tilefish	55	25	166	2,730	1,238	8,637	-	-	-	2,785	1,263	8,803
Trout, rainbow	203	92	460	-	-	1	-	-	-	203	92	461
Tuna:												
Albacore	219	99	454	16,643	7,549	35,014	553	251	1,183	17,415	7,899	36,651
Bigeye	20	9	70	5,114	2,320	19,895	21,021	9,535	58,268	26,155	11,864	78,233
Bluefin	184	84	228	2,707	1,228	9,908	-	0	-	2,891	1,311	10,136
Little tunny	223	101	109	511	232	259	-	-	-	734	333	368
Skipjack	15	7	17	305	138	381	351,638	159,502	222,756	351,958	159,647	223,154
Yellowfin	717	325	959	9,437	4,281	21,178	65,616	29,763	56,482	75,770	34,369	78,619
Unclassified	10	4	22	61	28	96	-	-	-	71	32	118
Total tuna	**1,388**	**630**	**1,859**	**34,778**	**15,775**	**86,731**	**438,828**	**199,051**	**338,689**	**474,994**	**215,456**	**427,279**
Whitefish, lake	5,757	2,611	8,532	-	-	-	-	-	-	5,757	2,611	8,532
Wolffish, Atlantic	-	-	-	-	-	-	-	-	-	-	-	-
Yellow perch	1,406	638	4,441	-	-	1	-	-	-	1,406	638	4,442
Other marine finfishes	21,700	9,843	56,111	15,695	7,119	19,053	3,874	1,757	8,417	41,269	18,719	83,581
Other freshwater finfishes	12,037	5,460	5,351	74	33	23	-	-	-	12,111	5,494	5,374
Total finfish	**1,623,470**	**736,401**	**413,432**	**7,121,467**	**3,230,276**	**2,041,940**	**448,622**	**203,494**	**359,437**	**9,193,559**	**4,170,171**	**2,814,809**

(continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2017 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Shellfish												
Crustaceans:												
Crabs:												
Blue: Hard	138,841	62,978	185,399	3,547	1,609	4,363	-	-	-	142,388	64,587	189,762
Soft or peeler	897	407	2,675	-	-	2	-	-	-	897	407	2,677
Dungeness	53,289	24,172	186,155	8,004	3,630	26,523	-	-	-	61,293	27,802	212,678
Jonah	5,529	2,508	5,144	11,726	5,319	11,138	-	-	-	17,255	7,827	16,282
King	1,090	494	5,529	11,805	5,355	75,818	-	-	-	12,895	5,849	81,347
Snow (tanner):												
Opilio	-	-	-	21,320	9,671	57,929	-	-	-	21,320	9,671	57,929
Bairdi	986	447	2,678	1,407	638	4,571	-	-	-	2,393	1,085	7,249
Other	9,891	4,486	23,340	6,246	2,833	19,113	-	-	-	16,137	7,320	42,453
Total crabs	**210,523**	**95,493**	**410,920**	**64,055**	**29,055**	**199,457**	**-**	**-**	**-**	**274,578**	**124,548**	**610,377**
Crawfish, freshwater	8,111	3,679	10,950	-	-	-	-	-	-	8,111	3,679	10,950
Lobsters:												
American	82,668	37,498	338,497	50,305	22,818	213,560	-	-	-	132,973	60,316	552,057
Spiny	2,633	1,194	27,498	1,340	608	14,319	-	-	-	3,973	1,802	41,817
Shrimp:												
New England	39	18	219	50	22	261	-	-	-	89	40	480
South Atlantic	15,185	6,888	35,882	14,486	6,571	35,501	-	-	-	29,671	13,459	71,383
Gulf	88,956	40,350	129,995	127,824	57,981	295,859	-	-	-	216,780	98,331	425,854
Pacific	8,944	4,057	10,060	27,545	12,494	22,762	-	-	-	36,489	16,551	32,822
Other	119	54	207	124	56	231	-	-	-	243	110	438
Total shrimp	**113,243**	**51,367**	**176,363**	**170,029**	**77,125**	**354,614**	**-**	**-**	**-**	**283,272**	**128,491**	**530,977**
Total crustaceans	**417,178**	**189,231**	**964,228**	**285,729**	**129,606**	**781,950**	**-**	**-**	**-**	**702,907**	**318,837**	**1,746,178**

(continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2017 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Mollusks:												
Clams:												
Quahog (hard)	7,244	3,286	52,627	34	15	348	-	-	-	7,278	3,301	52,975
Geoduck (Pacific)	2,305	1,046	67,390	-	-	-	-	-	-	2,305	1,046	67,390
Manila (Pacific)	363	165	6,155	-	-	-	-	-	-	363	165	6,155
Ocean quahog	2,406	1,091	2,466	29,063	13,183	27,241	-	-	-	31,469	14,274	29,707
Softshell	2,156	978	17,551	44	20	386	-	-	-	2,200	998	17,937
Surf (Atlantic)	9,461	4,291	8,265	30,701	13,926	24,458	-	-	-	40,162	18,217	32,723
Other	1,106	501	3,867	-	-	1	-	-	-	1,106	502	3,868
Total clams	**25,041**	**11,359**	**158,321**	**59,842**	**27,144**	**52,434**	**-**	**-**	**-**	**84,883**	**38,503**	**210,755**
Conch (snails)	1,507	684	7,168	210	95	630	-	-	-	1,717	779	7,798
Mussels, blue (sea)	3,474	1,576	7,091	60	27	96	-	-	-	3,534	1,603	7,187
Oysters	31,484	14,281	234,067	321	146	2,351	-	-	-	31,805	14,427	236,418
Scallops:												
Bay	272	124	5,412	-	-	2	-	-	-	272	123	5,414
Sea	864	392	9,290	50,597	22,951	497,241	-	-	-	51,461	23,343	506,531
Squid:												
Atlantic:												
Illex	232	105	137	49,408	22,411	22,015	-	-	-	49,640	22,517	22,152
Loligo	2,092	949	3,058	15,901	7,213	22,299	-	-	-	17,993	8,162	25,357
Unclassified	156	71	132	2,138	970	242	-	-	-	2,294	1,041	374
Pacific:												
Loligo	133,358	60,491	66,576	4,124	1,871	2,059	-	-	-	137,482	62,361	68,635
Unclassified	-	-	-	-	-	-	-	-	-	-	-	-
Total squid	**135,838**	**61,616**	**69,903**	**71,571**	**32,464**	**46,615**	**-**	**-**	**-**	**207,409**	**94,080**	**116,518**
Total mollusks	**198,480**	**90,030**	**491,252**	**182,601**	**82,827**	**599,369**	**-**	**-**	**-**	**381,081**	**172,857**	**1,090,621**
Other shellfish	20,101	9,118	16,952	3,952	1,793	2,204	-	-	-	24,053	10,910	19,156
Total shellfish	**635,759**	**288,378**	**1,472,432**	**472,282**	**214,226**	**1,383,523**	**-**	**-**	**-**	**1,108,041**	**502,604**	**2,855,955**

(continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2017 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Other												
Horseshoe crab	2,174	986	1,525	582	264	663	-	-	-	2,756	1,250	2,188
Sea urchins	6,181	2,804	12,349	1,467	665	2,238	-	-	-	7,648	3,469	14,587
Seaweed, unclassified	22,602	10,252	834	980	444	180	-	-	-	23,582	10,697	1,014
Kelp (with herring eggs)	-	-	-	-	-	-	-	-	-	-	-	-
Worms	428	194	5,759	-	-	-	-	-	-	428	194	5,759
Total other	**31,385**	**14,236**	**20,467**	**3,029**	**1,374**	**3,081**	**-**	**-**	**-**	**34,414**	**15,610**	**23,548**
Grand total, 2017	**2,290,614**	**1,039,016**	**1,906,331**	**7,596,778**	**3,445,876**	**3,428,544**	**448,622**	**203,494**	**359,437**	**10,336,014**	**4,688,385**	**5,694,312**
Grand total, 2016	**3,286,981**	**1,490,965**	**2,406,948**	**6,258,078**	**2,838,646**	**2,815,767**	**447,413**	**202,945**	**365,890**	**9,992,472**	**4,532,556**	**5,588,605**

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks, such as clams, oysters, and scallops, which are in weight of meats (excluding the shell). The National Marine Fisheries Service estimated the distance-from-shore landings for data collected by the Service and States. Includes landings from the Great Lakes and other inland waters, but excludes Mississippi River drainage area states.

(2) Less than 500 lb. or $500.

NOTE: Totals may not agree due to rounding. Data include landings by U.S.-flag vessels in Canada, Puerto Rico, and other ports outside the 50 States. Therefore, they will not agree with "U.S. Commercial Landings" tables beginning on page 1. Data do not include aquaculture products except oysters or clams.

DOMESTIC LANDINGS FOR U.S. TERRITORIAL POSSESSIONS, 2017

Group / Species	American Samoa			Guam			Northern Marianas Islands		
	Pounds	Kilos	Dollars	Pounds	Kilos	Dollars	Pounds	Kilos	Dollars
Fish									
Barracudas	1,328	602	4,034	771	350	1,698			
Billfishes:									
Marlin	887	402	-	19,289	8,749	32,921	196	89	491
Sailfish	204	93	408	519	235	965			
Swordfish	7,297	3,310	22,356						
Spearfish	16,163	7,331	19,702						
Dolphinfish	8,758	3,973	15,951	20,027	9,084	48,580	5,116	2,321	12,371
Emperors	5,960	2,703	18,359	15,103	6,851	33,406	893	405	2,240
Goatfish	82	37	196	3,572	1,620	9,350	1,325	601	3,322
Groupers	3,477	1,577	9,461	1,214	551	3,689	210	95	669
Jacks:									
Amberjack	203	92	642	705	320	1,867	102	46	306
Bigeye scad				2,984	1,354	7,782	1,573	714	4,091
Black jack	1,117	507	3,423	244	111	682	161	73	403
Rainbow runner	882	400	3,004	2,022	917	4,559	728	330	1,810
Other	2,722	1,235	8,175	1,707	774	4,957	77	35	192
Parrotfishes	11,435	5,187	36,347	52,767	23,935	132,798	3,730	1,692	12,330
Rabbitfish	31	14	93	13,762	6,242	36,451	3,667	1,663	12,596
Snappers:									
Blue lined snapper	697	316	2,136						
Ehu	807	366	3,295	231	105	981	125	57	500
Gindai (flower snapper)	378	171	1,137	455	206	1,799			
Gray jobfish	4,141	1,878	12,819	344	156	1,113	30	14	75
Humpback	1,629	739	5,206						
Lehi (silverjaw)				324	147	1,355	586	266	2,049
Onaga	3,252	1,475	14,333	1,044	474	6,011	3,390	1,538	19,355
Opakapaka	193	88	704	442	200	1,868	31	14	94
Snappers, other	11,874	5,386	37,500	6,271	2,845	15,599	161	73	885
Total snappers	**22,971**	**10,419**	**77,130**	**9,111**	**4,133**	**28,726**	**4,323**	**1,962**	**22,958**
Squirrelfish	1,504	682	4,468	2,372	1,076	6,102	1,168	530	2,921
Surgeonfishes:									
Unicornfishes	2,163	981	6,426	39,423	17,882	104,895			
Other	16,841	7,639	50,632	22,965	10,417	51,619	5,772	2,618	14,436
Tunas:									
Albacore	3,150,302	1,428,968	3,662,874						
Bigeye	155,316	70,451	131,680						
Skipjack	90,036	40,840	86,504	45,966	20,850	103,737	42,957	19,485	116,663
Yellowfin	586,658	266,106	604,590	9,622	4,365	23,250	12,552	5,694	32,587
Other	2,445	1,109	7,533	3,547	1,609	7,762	1,921	871	5,065
Total, tuna	**3,984,757**	**1,807,474**	**4,493,181**	**59,135**	**26,824**	**134,749**	**57,430**	**26,050**	**154,315**
Wahoo	121,534	55,127	115,129	14,701	6,668	36,847	1,595	723	4,490
Wrasses	28	13	85	384	174	1,289	24	11	59
Other marine finfishes	12,862	5,834	36,482	43,646	19,798	143,698	3,800	1,724	9,517
Total fish	**4,223,206**	**1,915,632**	**4,925,684**	**326,423**	**148,065**	**827,630**	**91,890**	**41,682**	**259,517**
Shellfish, et al.									
Crabs				12	5	41			
Lobster, spiny	758	344	2,485	232	105	909	121	55	1,816
Octopus	258	117	809	3,412	1,548	11,649	93	42	239
Shelfish, other	28	13	83				91	41	1,147
Total shellfish, et al.	**1,044**	**474**	**3,377**	**3,656**	**1,658**	**12,599**	**305**	**138**	**3,202**
Grand Total	**4,224,250**	**1,916,107**	**4,929,061**	**330,079**	**149,723**	**840,229**	**92,195**	**41,819**	**262,719**

(1) All landings are as reported. No adjustments or estimations have been made.

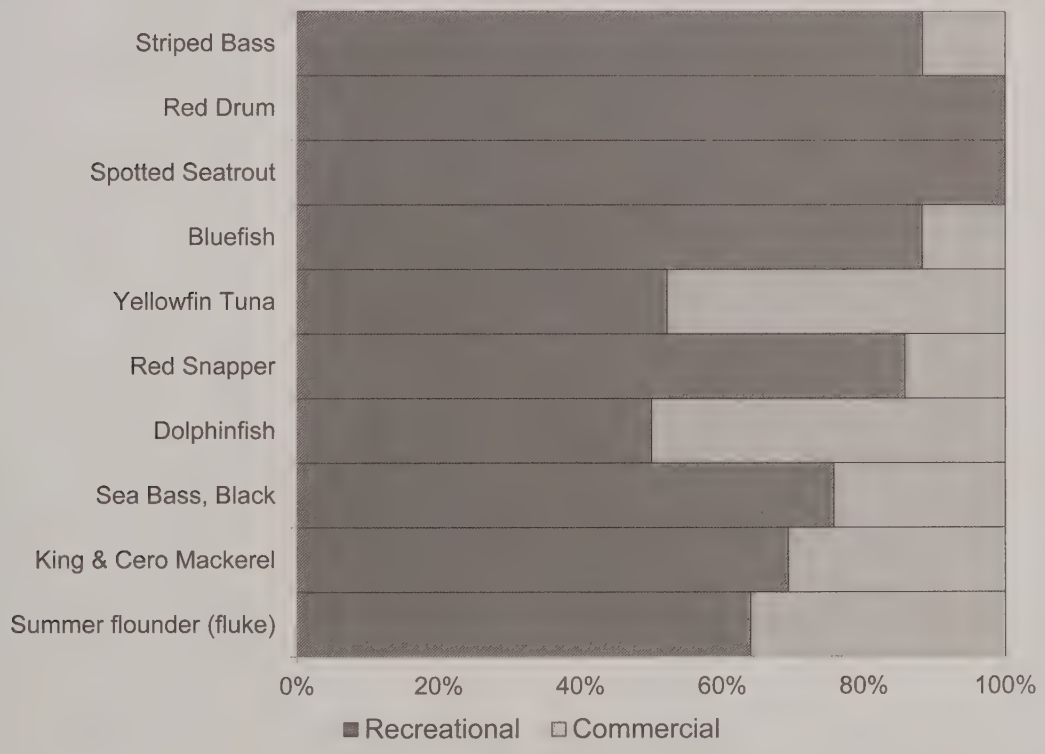
DOMESTIC LANDINGS FOR U.S. TERRITORIAL POSSESSIONS, 2017

Group / Species	Puerto Rico (1)			U.S. Virgin Islands (1)		
	Pounds	Kilos	Dollars	Pounds	Kilos	Dollars
Fish						
Ballyhoo	30,087	13,647	35,891	12,136	5,505	57,646
Barracuda	854	387	2,110	333	151	1,332
Dolphinfish	37,811	17,151	126,689	61,085	27,708	449,865
Goatfish	2,156	978	5,479	1,606	728	8,069
Groupers:						
Red hind	15,860	7,194	47,981	36,089	16,370	227,578
Misty	2,813	1,276	9,593	71	32	426
Other	5,019	2,277	20,117	11,083	5,027	69,349
Grunts	11,296	5,124	22,766	22,906	10,390	141,046
Hogfish	16,070	7,289	61,805	2,184	990	13,101
Jacks:						
Bar jack	11,674	5,295	24,419	7,904	3,585	46,685
Horse-eye jack	1,076	488	2,862	167	76	982
Other	2,266	1,028	5,402	32,689	14,828	194,867
Mackerel, king and cero	21,927	9,946	58,570	13,515	6,130	92,084
Mojarra	3,902	1,770	10,261			
Mullet	5,546	2,516	8,760			
Parrotfish	11,418	5,179	30,809	100,933	45,783	584,010
Scup or porgy	7,207	3,269	13,456	10,268	4,658	60,596
Sharks, other	5,397	2,448	8,279	865	392	2,595
Snappers:						
Lane	49,144	22,292	139,696	909	412	5,708
Mutton	13,144	5,962	39,761	10,351	4,695	64,250
Silk	122,840	55,720	691,748	12,979	5,887	86,337
Yellowtail	59,794	27,122	200,316	29,406	13,338	184,106
Other	90,966	41,262	486,243	31,051	14,085	205,803
Total snappers	**335,888**	**152,358**	**1,557,764**	**84,696**	**38,417**	**546,204**
Snook	5,244	2,379	11,545			
Squirrelfish	1,404	637	2,372	7,784	3,531	27,872
Surgeonfish				20,501	9,299	107,177
Triggerfish	21,532	9,767	42,623	60,762	27,561	385,860
Trunkfish (boxfish)	18,744	8,502	49,147	12,121	5,498	36,606
Tuna:						
Albacore	935	424	2,628			
Blackfin	13,864	6,289	33,814	3,846	1,745	27,294
Little (tunny)	5,831	2,645	18,382	18,696	8,480	127,869
Skipjack	8,616	3,908	22,852	1,787	811	12,458
Yellowfin	3,302	1,498	10,066	5,449	2,472	38,713
Unclassified	2,070	939	4,758	941	427	6,308
Total tuna	**34,618**	**15,703**	**92,500**	**30,719**	**13,935**	**212,642**
Wahoo	5,802	2,632	17,956	31,108	14,110	230,336
Other marine finfishes	15,239	6,912	40,993	36,040	16,348	196,701
Total fish	**630,850**	**286,152**	**2,310,149**	**597,565**	**271,052**	**3,693,629**
Shellfish, et al.						
Crabs	3,607	1,636	57,208	559	253	2,513
Lobster, spiny	151,613	68,771	1,005,609	154,418	70,043	1,322,323
Conch (snail) meats	158,273	71,792	847,442	19,691	8,932	118,301
Octopus	10,265	4,656	40,547	3	1	11
Shellfish, other	1,708	775	6,687	1,683	763	4,659
Total shellfish, et al.	**325,466**	**147,630**	**1,957,493**	**176,354**	**79,992**	**1,447,807**
Grand Total	**956,316**	**433,782**	**4,267,642**	**773,919**	**351,044**	**5,141,436**

(1) All landings are as reported. No adjustments or estimations have been made.

The following comparisons between the top species, by weight, for U.S. commercial landings and recreational fish harvests include only species with both recreational and commercial fisheries. Further, these comparisons do not include data for Alaska and Texas because recreational weight data are not provided by those states. Recreational harvest shown represents type A+B1 catch which includes both fish brought back to the dock, used for bait, released dead, or filleted.

Selected Recreational Species-Harvest vs. Commercial Harvest, 2017



Top Recreational and Commercial Finfish Species, by Coast, 2017 (Thousands of Pounds)

Atlantic Coast

Rank	Species	Commercial	Recreational	Total Landings
1	Atlantic Herring	109,663	448	110,111
2	Striped bass	5,069	38,145	43,213
3	Bluefish	4,130	32,023	36,154
4	Dogfish	24,640	641	25,281
5	Goosefish (anglerfish)	23,990	4	23,994
6	Atlantic mackerel	15,082	7,962	23,044
7	Haddock	12,100	4,635	16,735
8	Sea bass, Black	4,179	12,479	16,658
9	Tuna, Yellowfin	1,784	14,589	16,372
10	Summer flounder (fluke)	5,750	10,216	15,966

Gulf Coast

Rank	Species	Commercial	Recreational	Total Landings
1	Red snapper	3,136	18,510	21,646
2	Mullets	6,550	4,564	11,114
3	Snapper, other	3,188	7,725	10,913
4	Spotted sea trout	74	9,840	9,914
5	Spanish mackerel	731	7,208	7,939
6	King & Cero mackerel	1,998	5,386	7,384
7	Blue runner	157	6,751	6,908
8	Sand (white) sea trout	14	3,889	3,903
9	Vermilion snapper	1,181	1,909	3,091
10	Crevalle jack	423	2,430	2,853

West Coast

Rank	Species	Commercial	Recreational	Total Landings
1	Unspecified rockfishes	27,431	4,636	32,067
2	Sablefish	12,194	6	12,199
3	Chub mackerel	4,835	576	5,410
4	Yellowfin tuna	3,852	266	4,118
5	Pacific Flounder	1,828	1,883	3,710
6	Halibut	1,705	1,074	2,779
7	Bonito	1,948	282	2,230
8	Flounder, Pacific, other	2,129	8	2,137
9	Bluefin tuna	1,070	569	1,639
10	Jack mackerel	1,043	30	1,073

U.S. Aquaculture

INTRODUCTION

Aquaculture is defined as the propagation and rearing of aquatic species in controlled or selected environments (National Aquaculture Act of 1980). Aquaculture is gaining global importance and plays an important role in global food security. Although the U.S. is not a major aquaculture producer, ranking 16th worldwide for fish and shellfish production from aquaculture, it is estimated that over half of the seafood that the U.S. imports and consumes comes from aquaculture. Aquaculture plays an important role in producing many popular seafood products, including salmon, oysters, and clams in the U.S. as well as imported shrimp. The data in this section are current through 2016 and therefore lag 1 year behind the rest of the data in Fisheries of the United States.

SOURCES OF DATA

Accurate statistics about the state of the U.S. marine aquaculture industry are essential for quantitatively demonstrating the contribution of aquaculture to coastal economies and to U.S. seafood production. Regular, periodic data are also necessary to assess industry trends. However, the United States does not conduct an annual national data collection for aquaculture production. To derive the estimates reported here, NMFS compiles data from a number of sources including state agencies, industry groups, the United States Department of Agriculture (USDA) and specialized surveys. Round weight is reported for most species, but oysters, clams, and mussels are reported as meat weight (i.e., without the shell). For a few species, such as ornamental fish, only value is reported. The values reported are at the farm-gate level.

More detailed data on United States Aquaculture are available from the USDA Census of Aquaculture for 2013 (http://www.agcensus.usda.gov/Publications/Census_of_Aquaculture/). This is the first Census of Aquaculture since 2005 and is a follow-up to the 2012 Census of Agriculture. The Census of Aquaculture provides more information on freshwater aquaculture, species farmed, and methods used. Data in the census is from 2013 because the census is not conducted annually. Data from this publication will not agree exactly with data from the Census of Aquaculture due to differences in methodology and sources of data.

World data are compiled by the FAO and are available on its website (http://www.fao.org/fishery/statistics/global-aquaculture-production) and through its FishStatJ software (http://www.fao.org/fishery/statistics/software/fishstatj/en). For global data, all species are reported in live weight.

DATA HIGHLIGHTS

In 2016, estimated freshwater plus marine U.S. aquaculture production was 633 million pounds with a value of $1.45 billion. This volume of production reflects an increase of 6.1 million pounds (1.0%) from 2015. Freshwater aquaculture production increased from 2015, rising 16.1 million pounds (3.0%). In 2016, marine aquaculture production decreased, dropping by 10.0 million pounds (10.4%). However the value of production increased by $24.3 million (6.2%). Freshwater production is primarily composed of catfish (320.2 million pounds), crawfish (149.0 million pounds), and trout (48.5 million pounds). Atlantic salmon is the leading species for marine finfish aquaculture (35.7 million pounds), while oysters have the highest volume (36.6 million pounds) for marine shellfish production. Thriving shellfish industries can be found in all coastal regions of the United States, however the Atlantic and Pacific Coast states produce more oysters, clams, and mussels by value ($120.8 and $132.6 million, respectively), while the Gulf states produce more by volume (24.9 million pounds).

The FAO estimates that nearly half of world seafood consumption comes from aquaculture and this percentage is likely to increase in the future (see FAO 2018: http://www.fao.org/3/I9540EN/i9540en.pdf) By far, Asia is the leading continent for aquaculture production. Asia produces over 89 percent of the global aquaculture production of fish, crustaceans and mollusks, which totals 80.0 million metric tons. The top five producing countries are in Asia: China, India, Indonesia, Vietnam, and Bangladesh. FAO reported that the United States ranked sixteenth in aquaculture production of fish, crustaceans and mollusks. Globally, carps (30.5 million metric tons), tilapias (5.9 million metric tons), and salmon (3.3 million metric tons) are the finfish species groups with the greatest production. Clams (5.6 million metric tons), oysters (5.6 million metric tons), and shrimp (5.2 million metric tons) are the shellfish species groups with the most production. Aquatic plant farming, primarily seaweed, also represents a significant sector of global aquaculture production (30.1 million metric tons, valued at 11.6 billion). Seaweed farming is just now establishing in the U.S. and shows promise to become an important contributor to future U.S. marine aquaculture production.

ESTIMATED U.S. AQUACULTURE PRODUCTION, 2011 - 2016

Species	2011			2012		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Freshwater:						
Catfish	348,202	157,942	390,977	340,164	154,296	318,784
Striped bass	7,751	3,516	29,256	7,915	3,590	29,438
Tilapia	22,000	9,979	53,900	23,000	10,433	56,350
Trout	33,316	15,112	51,532	36,226	16,432	55,388
Crawfish	117,804	53,435	205,725	95,762	43,437	160,717
Total Freshwater	**529,074**	**239,984**	**731,390**	**503,067**	**228,188**	**620,677**
Marine:						
Salmon	40,995	18,595	104,038	42,538	19,295	77,064
Clams	10,324	4,683	104,337	10,262	4,655	98,797
Mussels	880	399	7,254	739	335	9,451
Oysters	26,592	12,062	98,444	34,802	15,786	135,718
Shrimp	3,554	1,612	6,145	2,846	1,291	6,029
Total Marine	**82,345**	**37,351**	**320,218**	**91,187**	**41,362**	**327,059**
Miscellaneous	-	-	285,359	-	-	286,087
Totals	**611,418**	**277,335**	**1,336,967**	**594,254**	**269,550**	**1,233,823**

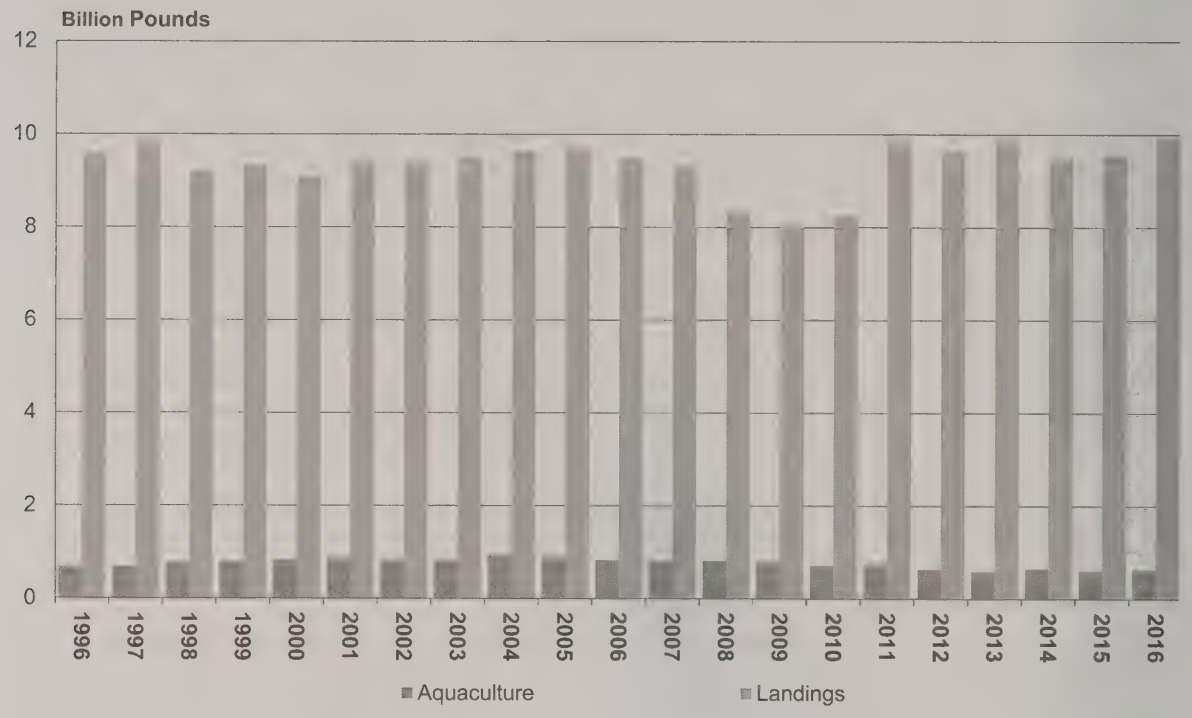
Species	2013			2014		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Freshwater:						
Catfish	358,380	162,560	354,337	307,498	139,480	331,963
Striped bass	7,444	3,377	34,987	8,110	3,679	31,142
Tilapia	18,428	8,359	40,049	18,999	8,618	42,745
Trout	44,496	20,183	71,869	48,456	21,979	76,206
Crawfish	106,924	48,500	144,347	134,168	60,858	172,071
Total Freshwater	**535,672**	**242,979**	**645,588**	**517,231**	**234,615**	**654,128**
Marine:						
Salmon	41,593	18,866	104,709	41,268	18,719	76,186
Clams	9,533	4,324	122,150	10,405	4,720	120,727
Mussels	699	317	9,804	699	317	9,861
Oysters	35,243	15,986	157,272	33,323	15,115	168,991
Shrimp	3,355	1,522	7,108	4,870	2,209	10,316
Total Marine	**90,422**	**41,015**	**401,043**	**90,565**	**41,080**	**386,081**
Miscellaneous	-	-	289,181	-	-	291,717
Totals	**626,094**	**283,994**	**1,335,812**	**607,796**	**275,695**	**1,331,926**

Species	2015			2016		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Freshwater:						
Catfish	317,445	143,992	347,021	320,174	145,230	363,075
Striped bass	8,111	3,679	30,831	10,322	4,682	37,737
Tilapia	18,999	8,618	42,745	18,999	8,618	42,745
Trout	45,854	20,799	76,748	48,451	21,977	79,558
Crawfish	140,411	63,690	199,350	149,015	67,593	196,695
Total Freshwater	**530,820**	**240,778**	**696,695**	**546,961**	**248,100**	**719,809**
Marine:						
Salmon	47,528	21,559	87,743	35,682	16,185	67,654
Clams	9,086	4,121	112,139	9,722	4,410	137,793
Mussels	717	325	10,201	894	406	10,476
Oysters	35,229	15,980	172,778	36,601	16,602	192,328
Shrimp	3,979	1,805	11,137	3,600	1,633	10,075
Total Marine	**96,539**	**43,790**	**393,998**	**86,499**	**39,236**	**418,327**
Miscellaneous	-	-	302,774	-	-	315,944
Totals	**627,359**	**284,568**	**1,393,468**	**633,460**	**287,336**	**1,454,080**

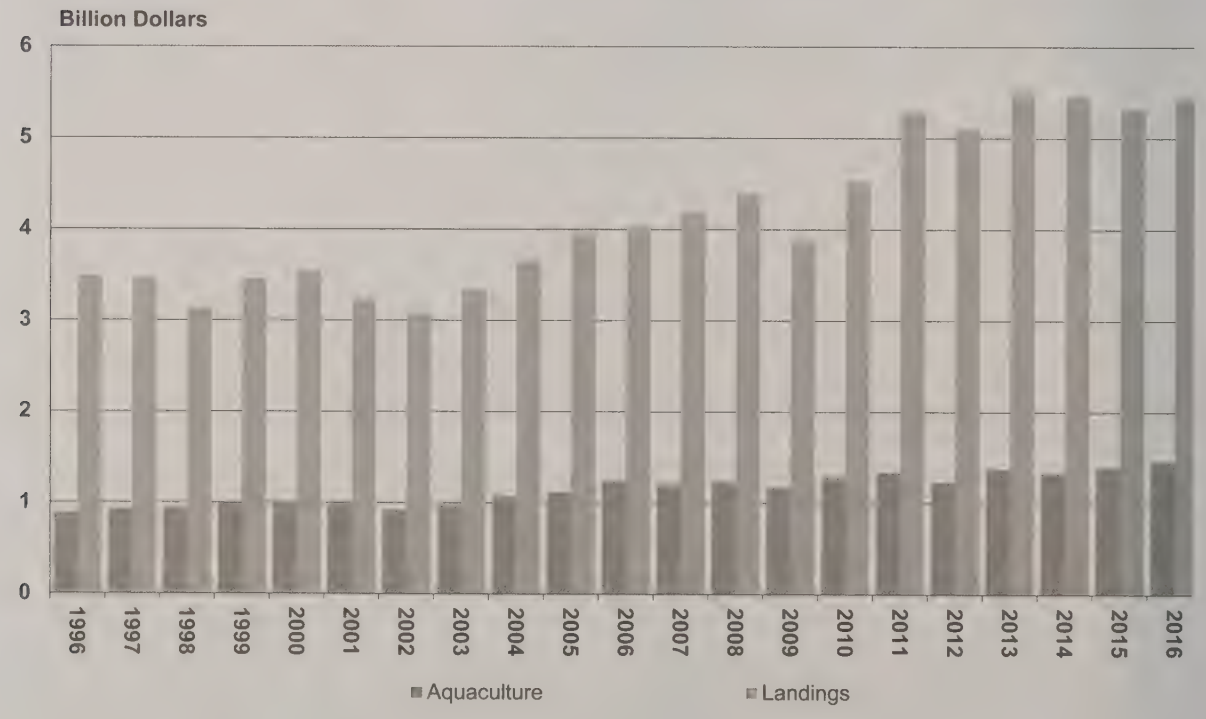
Note: Table may not add due to rounding. Clams, oysters, and mussels are reported as meat weights (excludes shell), while all other species such as shrimp and finfishes are reported as whole (live) weights. Some clam and oyster production is reported with U.S. commercial landings. Weights and values represent the final sales of products to processors and dealers. The "Miscellaneous" category includes baitfish, ornamental/tropical fish, alligators, algae, aquatic plants, eels, scallops, crabs, and others. The production volume of "Miscellaneous" is not reported because production value, but not weight, is reported for many species such as ornamental fishes.

Source: Fisheries Statistics Division, F/ST1, State Data, NMFS and Census of Aquaculture, USDA.

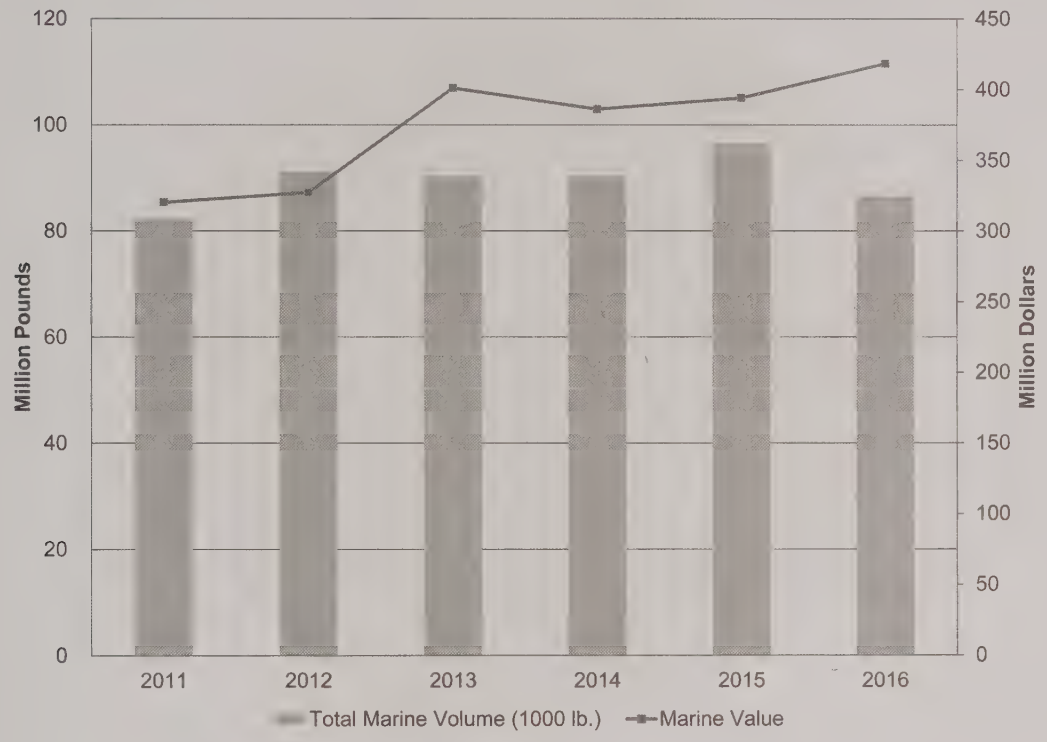
Volume of Domestic Commercial Landings and Aquaculture Production



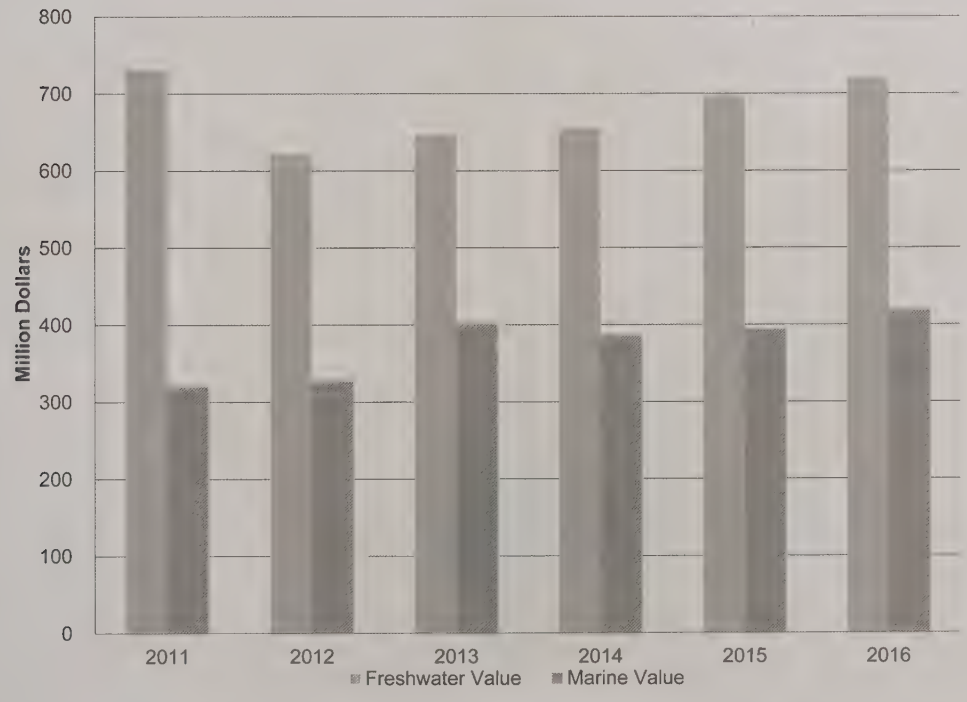
Value of Domestic Commercial Landings and Aquaculture Production



Estimated Marine Aquaculture Production Value and Volume, 2011-2016

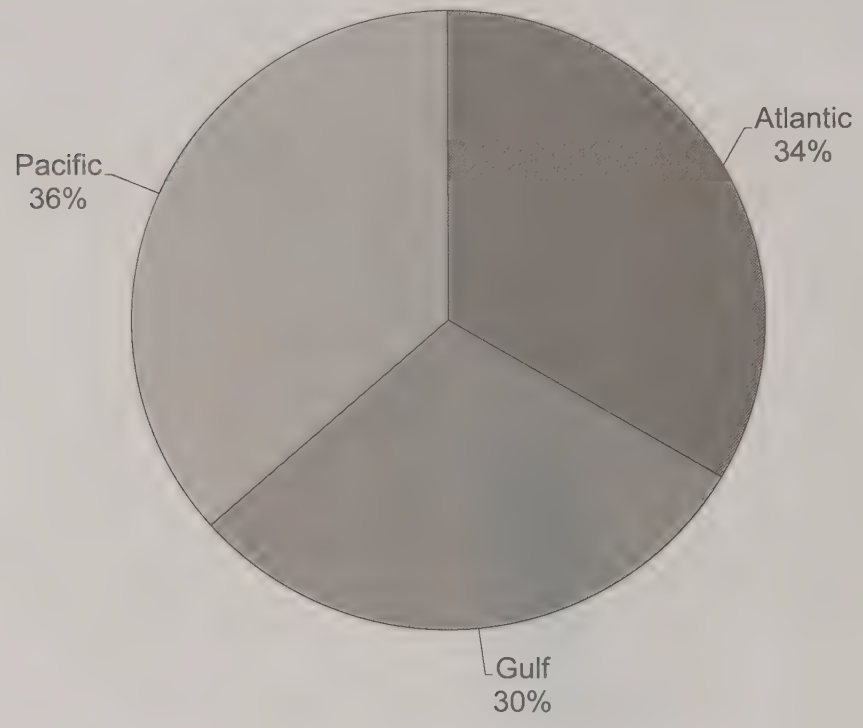


Estimated Value of Freshwater and Marine Aquaculture, 2011-2016

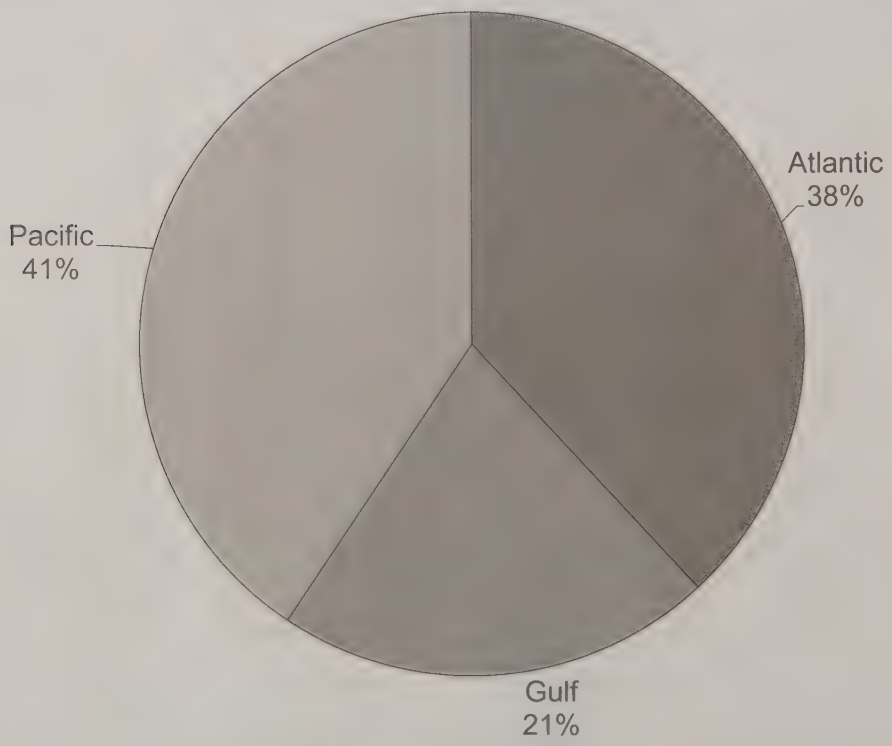


Note: Total marine + freshwater does not match the summary chart on p. 29 because the "Miscellaneous" category has been excluded from this graph.

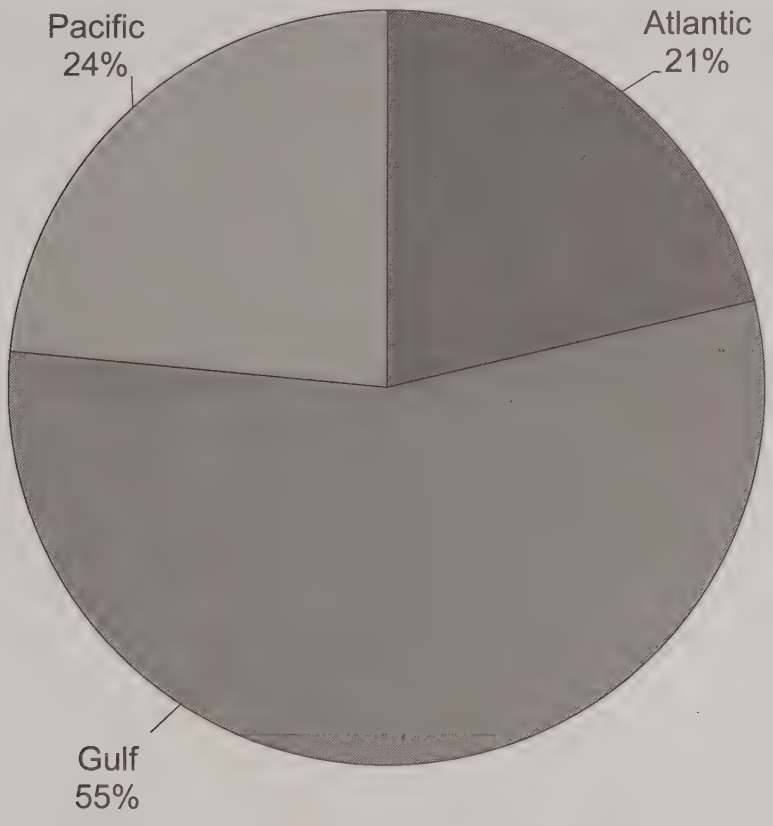
Estimated U.S. Marine Aquaculture Production by Region, by Volume, 2016



Estimated U.S. Marine Aquaculture Production by Region, by Value, 2016



Estimated Shellfish Aquaculture Production, by Volume, 2016



ESTIMATED SHELLFISH VOLUME AND VALUE BY REGION, 2016

Region	Total Shellfish Volume (KG)	Total Shellfish Value (1000 $)
Atlantic	9,758,017	120,794
Gulf	24,901,824	86,804
Pacific	12,556,912	132,609

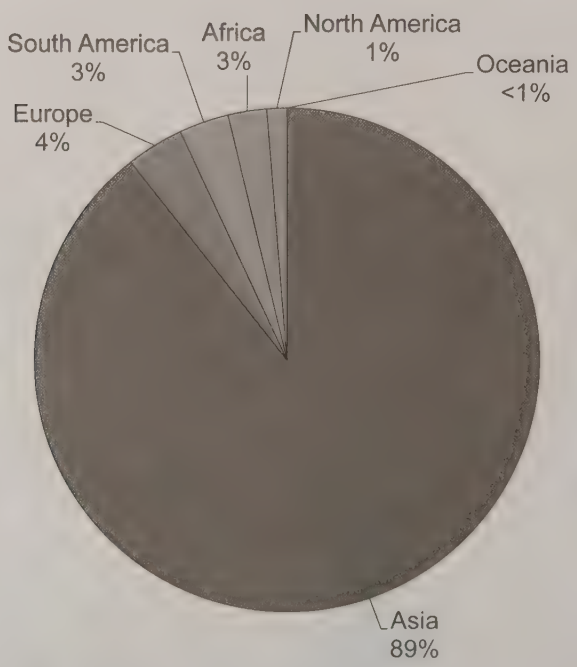
Note: Volume is reported in meat weight.

AQUACULTURE PRODUCTION OF FISH, CRUSTACEANS, AND MOLLUSKS, BY TOP COUNTRIES AND BY CONTINENT, 2016

Country (ranked by volume)	Volume (metric tons)	Value (1000 US$)	Continent	Volume (metric tons)	Value (1000 US$)
China	49,244,101	144,701,658	Asia	71,546,018	196,894,906
India	5,700,000	10,644,801	Europe	2,945,076	13,530,369
Indonesia	4,950,000	8,974,309	South America	2,305,675	12,318,222
Viet Nam	3,624,538	9,345,988	Africa	1,981,897	3,481,557
Bangladesh	2,203,554	5,621,081	North America	1,041,972	3,645,128
Egypt	1,370,660	1,766,750	Oceania	210,224	1,713,951
Norway	1,326,157	7,623,688			
Chile	1,035,254	7,867,541			
Myanmar	1,017,614	1,992,111			
Thailand	962,571	2,488,403			
Philippines	796,395	1,790,726			
Japan	676,766	3,842,331			
Brazil	580,500	1,211,037			
South Korea	507,962	1,745,223			
Ecuador	451,085	2,338,810			
United States of America	444,369	1,243,960			
All others	5,139,336	18,385,715			
Total	**80,030,862**	**231,584,132**		**80,030,862**	**231,584,132**

Source: FAO, U.S. total may not agree with other estimates in this section.
Additional detail on global aquaculture production can be found in the world section.

Aquaculture Production by Continent, 2016



United States Marine Recreational Fisheries

DATA COLLECTION

Detailed information on marine recreational fishing is required to support a variety of fishery management purposes and is mandated by the Sustainable Fisheries Act, 1996 (PL 104-297) and the Magnuson-Stevens Fishery Conservation and Management Reauthorization Act of 2006 (PL 109-479). In 1981, following 2 years of preliminary surveys, NOAA Fisheries began a comprehensive survey of marine recreational fisheries covering all fishing modes (private/rental boat, party/charter boat, and shore), and including estuarine and brackish water. Although the annual recreational harvest is only about 13 percent of the total weight of U.S. harvest of finfish for states covered by this program, the fishing activities of millions of anglers are important to monitor. Marine recreational fishing significantly impacts the stocks of many finfish species, and recreational catches surpass commercial landings of some species. NOAA Fisheries' Marine Recreational Information Program (MRIP) is the state-regional-federal partnership responsible for developing, improving, and implementing surveys that measure how many trips saltwater anglers take and how many fish they catch.

REVISED ESTIMATES

In 2018, NOAA Fisheries replaced the Coastal Household Telephone Survey (CHTS) with the Fishing Effort Survey (FES), a more accurate method of collecting marine recreational fishing effort data from shore and private boat anglers on the Atlantic and Gulf coasts. To implement the FES and use historical data, historical catch statistics needed to be converted into the same "currency" as the new estimates using a peer reviewed calibration model. Revised estimates from 1981-2017 were released in July 2018 and will be incorporated into upcoming stock assessments. Estimates presented here were produced from data collected in 2017 using the CHTS, but have been calibrated to FES "currency." The calibration allows a more appropriate comparison between estimates derived from the discontinued CHTS and the new FES methods.

METHODS

In 2017, MRIP collected recreational fishing data on the Atlantic and Gulf coasts of the U.S. using the Coastal Household Telephone Survey (CHTS), the For-Hire Survey (FHS), and the Access Point Angler Intercept Survey (APAIS). Data from state and regional logbook programs supplement survey data to produce more robust catch and effort estimates. The CHTS is used to collect data on the number of shore and private boat fishing trips taken by residents of coastal counties. The APAIS collects data on species composition of catches, catch rates by species, lengths and weights of landed fish, the proportion of fishing trips by residents of non-coastal counties, and angler avidity. These data are combined to produce estimates of participation, catch, and effort. Catch estimates are separated into two categories— harvested catch and catch released alive. Harvested catch includes landed fish and catch reported as dead. Whenever possible, field interviewers identify, count, weigh, and measure landed fish that are available in whole form. Angler reports are obtained for catch released alive and for all other harvested catch, such as catch released dead, used for bait, or filleted fish. Catch estimates are stratified by sub-region, state, and wave (bimonthly sampling period), and further partitioned by species, fishing mode (private/rental boat, party/charter boat, and shore), primary area fished, and catch type.

The FHS collects effort data for the party and charter boat fishing modes. The methodology was initiated on the Gulf coast in 2000, where it only includes charter boats. It has produced separate estimates for party and charter boats on the Atlantic coast since it was initiated there in 2003. The FHS is a weekly telephone survey of boat captains that uses a directory of charter and party boats as the sampling frames. This survey estimates the number of angler-trips on boats included in the sampling frames. Dockside and on-board angler-intercept surveys are used to collect data on catch and account for trips made by anglers on boats not included in the FHS sampling frames. The total catch of any one species is calculated as the product of the estimated total angler trips and the estimated mean catch per trip for that species.

In California, catch and effort estimates for marine recreational fisheries are produced using data collected through the California Recreational Fisheries Survey (CRFS). Data are collected on four modes of fishing: private/rental boats, commercial passenger fishing vessels (party/charter boats), man-made structures, and beaches/banks. CRFS has multiple survey components. Effort data for all fishing modes and times is collected through a phone survey of licensed anglers. Field surveys collect catch data for modes and supplement effort data for private/rental and shore modes. Mandatory commercial passenger fishing vessel (CPFV) logbooks provide effort estimates for party/charter mode.

In Oregon and Washington, ocean boat surveys are used to produce catch and effort estimates. Oregon's Ocean Recreational Boat Survey (ORBS) and Washington's Ocean Sampling Program (OSP) consist of a field intercept survey for effort and catch of private and (for hire) passenger boats. Estimates of mean catch per boat, catch per angler, total angler trips and boat trips are produced for each port inlet or port group stratified by time period and portioned by type of boat, type of trip and water area. Catch estimates in numbers of fish and weight are produced for each species of fish.

COVERAGE

In 2017, MRIP included the Atlantic coast (ME-East FL), Gulf coast (MS-West FL), and Hawaii. Complete data for Puerto Rico is available through the end of Wave 4. Data collection has since been suspended as the territory rebuilds from Hurricane Maria. Detailed information and access to the data are available on the Recreational Fishing Data web page (www.countmyfish.noaa.gov). Care is advised when comparing catch estimates across an extended time series because of differences in sampling coverage through the years.

In the South Atlantic and Gulf sub-regions (NC-LA), party boat catch data have not been collected since 1985, so estimates for these sub-regions only include charter boats in the for-hire sector. Since 2014, marine recreational fishing in Louisiana has been monitored by the Louisiana Department of Wildlife and Fisheries; prior years were surveyed by NOAA Fisheries' survey program. Marine recreational fishing in Texas is monitored by the Texas Parks and Wildlife Department and has not been surveyed by the NOAA Fisheries' survey program since 1985. Prior to 1998, on the Pacific coast, ocean boat trips and salmon trips were not sampled during certain waves because they were surveyed by state natural resource agencies. Recreational fishing data in Alaska are collected through an annual mail survey administered by the Alaska Department of Fish and Game. Harvest, effort, and participation data are included, but not available for the current year. West Pacific U.S. territories have not been included in the national survey program since 1981. Hawaii was not surveyed between 1981 and 2002. Puerto Rico was not surveyed between 1981 and 2000. Since 2004, the numbers reported for Washington and Oregon include only private boat and for-hire fisheries. Data from other NOAA Fisheries and state surveys are not included in this report.

Historically, only about five percent of the annual recreational catch on the Atlantic and Gulf coasts is taken during Wave 1 (Jan/Feb). Costs to sample these months are very high due to low fishing activity. Therefore, in Jan/Feb of 1981 the surveys were not conducted in any region. In 1982, Jan/Feb data collection resumed on the Pacific and Gulf coasts and also on the Atlantic coast of Florida. In 2004, Jan/Feb data collection resumed in North Carolina. With a few exceptions the recreational statistics program has not collected data in Jan/Feb on the Atlantic coast north of Florida since 1980. A pilot study of fishing effort in Jan/Feb by coastal household residents was conducted in 2010 in NY, NJ, DE, MD, and VA. Results suggested only ~ 0.1 – 1.3 percent of coastal households reported fishing in Jan/Feb in these mid-Atlantic states, compared to the average fishing household rates of 1.25 – 4.5 percent in Mar/Apr and Nov/Dec (2007-2009 pooled), the two lowest periods of activity that are surveyed by the CHTS regularly. These extremely low levels of fishing incidence in Wave 1 are therefore difficult to survey precisely and suggest very low contribution to annual catches if the anglers are successful.

Time periods when the marine recreational statistics program has not been conducted: Nov/Dec (ME & NH) - 1987 to present; Mar/Apr (ME & NH) - 1986 to present; Jan/Feb (Northern CA & OR) – 1994; Jan/Feb (Southern CA & OR) – 1995; Nov/Dec (OR) – 1994; Nov/Dec (WA shore modes) – 2003; July - Dec (OR shore modes) – 2003; All Waves (CA - WA) - 1990 to 1993, 2004 to present; All Waves (WA) - 1993 to 1994.

DATA TABLES

The estimated harvests (numbers and weight of fish) for the continental U.S., Alaska, Hawaii, and Puerto Rico are presented. The estimates presented for Puerto Rico include harvest (numbers and weight of fish) through the end of Wave 4. (Data collection efforts were suspended in Puerto Rico when Hurricane Maria made landfall in September.) Harvest by weight is not available for Texas and Alaska, or Louisiana after 2013. Numbers of fish harvested and released alive are also presented for many important species groups. Estimated harvests are presented by sub-region and primary fishing area: inland [sounds, rivers, bays], state territorial seas [ocean to 3 miles from shore, except for Texas and Florida's Gulf coast, where state territorial seas extend to 10 miles from shore], and Exclusive Economic Zone (EEZ) [ocean from the outer edge of the state territorial

seas to 200 miles from shore]. The total numbers of estimated trips and participants are presented by state. Estimated numbers of anglers for Louisiana, Hawaii, Texas, California, Oregon, and Washington are not available.

2017 MARINE RECREATIONAL FISHING DATA

The 2017 national estimate of 8.6 million anglers was derived from two sources: 1) an estimate based on current survey data for the Atlantic and Gulf coasts, from Maine to Mississippi, and 2) estimates of the number of anglers for California, Oregon and Washington (since 2003) and Louisiana (since 2014) based on historical rates of participation in recreational saltwater fishing. Texas, Hawaii and Puerto Rico lack historical data adequate to estimate participation and are not included. NOAA Fisheries has a growing concern and lack of confidence in the second portion of the total estimate which depends on historical participation rates to provide current estimates, especially over a long time frame. NOAA Fisheries will continue to provide that portion of the national estimate described in 1) above, and will work with its state partners to explore ways to improve annual estimates of marine recreational angler participation rather than continuing to use the source described in 2) above. In particular, NOAA Fisheries is evaluating an approach to utilize estimates produced every five years by the National Survey of Fishing, Hunting, and Wildlife-Associated Recreation, which is sponsored by the U.S. Fish and Wildlife Service.

These 8.6 million marine recreational anglers made 202 million marine recreational fishing trips in the continental United States, Hawaii, and Puerto Rico. Alaska data are not available for the current year. The estimated total marine recreational catch was 1 billion fish, of which 64 percent was released alive. The estimated total weight of harvested catch was nearly 447 million pounds. The Atlantic coast accounted for the majority of trips (69%) and catch (nearly 62%). The Gulf coast accounted for 28 percent of trips, and more than 36 percent of the catch. The Pacific coast accounted for nearly 2 percent of trips, and over 1 percent of the catch. Nationally, most (nearly 56% in numbers of fish) of the recreational catch came from inland waters, more than 34 percent from state territorial seas, and more than 9 percent from the EEZ. The majority of Atlantic, Gulf and Pacific trips fished primarily in inland waters.

ATLANTIC

In 2017, 5 million residents of Atlantic Coast states participated in marine recreational fishing. All participants, including visitors, took almost 140 million trips and caught a total of nearly 686 million fish. Nearly 29 percent of the trips were made in east Florida, followed by 16 percent in North Carolina, nearly 12 percent in New York, nearly 9 percent in New Jersey, almost 7 percent in South Carolina, 6 percent in Maryland, and almost 6 percent in Massachusetts. Together, Virginia, Georgia, and Connecticut accounted for 11 percent of the trips, and Rhode Island, Delaware, Maine, and New Hampshire accounted for the remaining trips. The most commonly caught non-bait species (in numbers of fish) were black sea bass, striped bass, bluefish, scup, and Atlantic croaker. The largest harvests by weight were striped bass, bluefish, yellowfin tuna, scup, and black sea bass.

From 2008 to 2017, total annual catch of black sea bass has averaged more than 37 million fish. Catch increased overall from nearly 31 million fish (2008) to 53 million fish (2017). Of the total catch in 2017 (53 million fish), 88 percent were released alive. Annual striped bass catch has fluctuated ranging from a low of 22 million fish (2011) to a high of almost 45 million fish (2017) with no clear trend. At almost 45 million fish, 2017 striped bass catch was above the 10-year mean of over 30 million. The species most commonly caught on Atlantic coast trips that fished primarily in federally managed waters were black sea bass, Atlantic mackerel, haddock, summer flounder, and dolphinfish. More than 31 percent of the total Atlantic catch came from saltwater trips that fished primarily in the state territorial seas, and more than 59 percent came from trips that fished primarily in inland waters.

GULF OF MEXICO

In 2017, 2.6 million residents of Gulf Coast states participated in marine recreational fishing. All participants, including visitors, took nearly 57 million trips and caught almost 404 million fish. Almost 74 percent of the trips were made in west Florida, followed by nearly 15 percent in Alabama, almost 9 percent in Mississippi, 2 percent in Texas, and 1 percent in Louisiana. The most commonly caught non-bait species (numbers of fish) were spotted seatrout, gray snapper, blue runner, sand seatrout, and Atlantic croaker. The largest harvests by weight were for red snapper, sheepshead, spotted seatrout, red drum, Spanish mackerel, and blue runner.

From 2008 to 2017, total annual catch of red drum has averaged almost 17 million fish. Catch decreased overall from nearly 19 million fish in 2008 to more than 9.1 million fish in 2017. Of the total catch in 2017 (more than 9.1 million fish), more than 77 percent were released alive. Annual catch of king mackerel has varied between 707,000 fish and almost 1.6 million fish over the last ten years, with an average catch of 1 million fish per year. Of the 960,000 caught in 2017, 397,000 fish (more than 41%) were released alive. The species most commonly caught on Gulf of Mexico trips that fished primarily in federally managed waters were red snapper, white grunt, red grouper, gray triggerfish, and vermilion snapper. About 38 percent of the total Gulf catch came on trips that fished primarily in the state territorial seas, and almost 52 percent came on trips that fished primarily in inland waters.

PACIFIC

In 2017, marine recreational anglers took nearly 3.9 million trips and caught a total of over 14 million fish. More than 91 percent of the trips were made in California, followed by nearly 5 percent in Oregon, and nearly 4 percent in Washington. The most commonly caught non-bait species (in numbers of fish) were kelp bass, black rockfish, barred surfperch, blue rockfish, and California scorpionfish. By weight, the largest harvests were lingcod, black rockfish, albacore, Chinook salmon, Pacific halibut, and vermilion rockfish.

Over the last ten years, the total annual catch of black rockfish has fluctuated ranging from a low of 609,000 fish (2008) to a high of almost 1.2 million fish (2013) with no clear trend. In 2017, black rockfish catch (838,000 fish) was almost 5 percent below the 10-year average of nearly 879,000 fish. Annual catch of coho salmon has varied between 58,000 fish and 529,000 fish over the last ten years, with an average catch of over 193,000 fish per year. Of the 126,000 caught in 2017, 62,000 fish (over 49%) were released alive. The most commonly caught Pacific coast species in federally managed waters were California halibut, California lizardfish, California scorpionfish, California sheephead, and Chinook salmon. Nearly 72 percent of the total Pacific catch came from trips that fished primarily in the state territorial seas, and almost 17 percent came from trips that fished primarily in inland waters.

ALASKA

In 2016, 306,000 marine recreational anglers took 514,000 trips and caught a total of almost 2.2 million fish. Commonly caught non-bait fishes included Pacific halibut, rockfishes, Pacific cod, lingcod, and the salmons: Chinook, chum, coho, pink and sockeye. The most abundantly harvested of the salmons were coho salmon and pink salmon. Current year statistics are not available.

HAWAII

In 2017, marine recreational anglers took nearly 1.3 million trips and caught a total of more than 3.4 million fish. The most commonly caught non-bait species (in numbers of fish) were yellowstripe goatfish, bluefin trevally, skipjack tuna, Hawaiian flagtail, and mackerel scad. By weight, the largest harvests were yellowfin tuna, skipjack tuna, dolphinfish, wahoo, blue marlin, and bluefin trevally.

PUERTO RICO

Due to Hurricane Maria, data collection in 2017 was only conducted through the end of Wave 4. During that time, marine recreational anglers took almost 338,000 trips and caught a total of 784,000 fish. The most commonly caught non-bait species (in numbers of fish) were bigeye scad, herring family, lane snapper, yellowtail snapper, and blue runner. By weight, the largest harvests were dolphinfish, king mackerel, great barracuda, yellowfin tuna, yellowtail snapper, and bigeye scad.

U.S. RECREATIONAL HARVEST, BY SPECIES, 2016 AND 2017

Species	2016(2,3)			2017 (2,3,4,5)			Average (2013-2017)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Anchovies **							
Northern Anchovy	1	(1)	48	(1)	(1)	(1)	4
Other Anchovies	(1)	(1)	292	(1)	(1)	378	(1)
Barracudas							
Pacific Barracuda	64	28	14	-	-	-	92
Other Barracudas	1,656	750	273	3,908	1,770	284	2,428
Bluefish	25,594	11,610	15,953	32,636	14,802	14,168	30,415
Smallmouth Bonefish	102	46	26	37	17	19	86
Cartilaginous Fishes							
Skates/Rays **	4,431	2,007	545	1,730	785	207	1,749
Spiny Dogfish	524	237	79	307	139	53	289
Other Sharks **	7,490	3,393	536	11,567	5,248	340	11,728
Catfishes							
Freshwater Catfishes	4,155	1,884	1,656	3,485	1,581	2,023	6,089
Saltwater Catfishes	2,242	1,016	2,256	1,843	836	924	2,372
Cods and Hakes							
Atlantic Cod	2,746	1,244	432	2,248	1,020	230	2,493
Pacific Cod	2	1	44	2	1	(1)	2
Pacific Hake	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pacific Tomcod	(1)	(1)	(1)	-	-	-	(1)
Pollock	554	253	545	1,781	808	602	1,500
Red Hake	523	237	363	180	80	167	249
Walleye Pollock	-	-	-	-	-	-	-
Other Cods/Hakes	3,350	1,521	1,239	5,015	2,273	1,791	2,559
Damselfishes							
Blackspot Sergeant	-	-	16	-	-	11	4
Other Damselfishes	(1)	(1)	16	-	-	10	1
Dolphinfishes **	19,898	9,025	2,249	14,416	6,538	2,564	19,877
Drums							
Atlantic Croaker	7,140	3,236	15,667	5,882	2,667	14,330	9,147
Black Drum	7,834	3,554	2,610	10,184	4,618	2,473	9,833
California Corbina	28	13	19	-	-	-	15
Kingfishes	7,067	3,206	22,113	7,956	3,608	22,642	9,656
Queenfish	1	(1)	10	-	-	-	3
Red Drum	14,957	6,784	4,917	17,432	7,908	4,669	21,312
Sand Seatrout	2,522	1,144	6,316	4,452	2,019	10,127	3,179
Silver Perch	234	107	1,147	457	206	2,359	229

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2016 AND 2017

Species	2016(2,3)			2017 (2,3,4,5)			Average (2013-2017)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Spot	3,639	1,650	13,692	7,637	3,463	23,673	7,143
Spotted Seatrout	18,577	8,426	18,240	16,797	7,617	12,163	18,734
Weakfish **	301	136	310	452	205	301	412
White Croaker	13	5	42	-	-	-	19
Other Drum	614	279	1,468	307	139	911	560
**Eels ** **							
Conger Eels	4	1	1	29	14	8	100
Moray Eels	(1)	(1)	11	(1)	(1)	4	(1)
Other Eels	224	100	161	94	43	74	82
Hawaiian Flagtail	11	5	125	6	3	93	29
Flounders							
California Halibut **	195	88	21	(1)	(1)	(1)	166
Gulf Flounder	803	363	627	518	234	452	830
Rock Sole	1	1	1	(1)	(1)	(1)	1
Sanddabs	62	28	255	7	3	13	121
Southern Flounder	3,052	1,381	2,002	2,025	918	1,192	3,288
Starry Flounder	1	(1)	(1)	(1)	(1)	(1)	2
Summer Flounder	13,245	6,009	4,306	10,216	4,634	3,228	14,200
Winter Flounder	203	92	176	429	193	326	315
Other Flounders **	667	302	957	1,029	465	871	754
Goatfishes							
Manybar Goatfish	2	1	15	2	1	14	8
Whitesaddle Goatfish	(1)	(1)	3	-	-	2	4
Yellowstripe Goatfish	14	6	205	11	5	380	107
Other Goatfishes	31	14	23	11	5	25	79
Greenlings							
Kelp Greenling	34	16	23	10	4	6	38
Lingcod	2,154	977	355	759	344	109	1,777
Other Greenlings	1	(1)	(1)	(1)	(1)	(1)	3
Grunts							
Pigfish	771	349	2,161	506	230	1,527	824
White Grunt	3,327	1,509	3,875	2,926	1,327	3,633	3,792
Other Grunts	905	411	1,716	585	265	2,069	673
**Herrings ** **							
Pacific Herring	48	21	316	(1)	(1)	(1)	15
Other Herrings	11,714	5,319	120,930	8,636	3,916	85,170	9,768
Jacks							

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2016 AND 2017

Species	2016(2,3)			2017 (2,3,4,5)			Average (2013-2017)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Bigeye Scad	819	373	1,964	560	253	1,308	749
Bigeye Trevally	-	-	-	-	-	-	4
Blue Runner	6,315	2,864	11,371	9,843	4,464	15,826	7,184
Bluefin Trevally	150	69	73	283	129	78	266
Crevalle Jack	7,320	3,318	2,842	8,486	3,851	2,438	6,456
Florida Pompano	1,777	806	2,275	2,920	1,325	2,408	2,264
Giant Trevally	113	51	20	143	65	11	270
Greater Amberjack	5,970	2,707	291	2,474	1,123	128	4,389
Island Jack	23	11	15	37	17	20	28
Mackerel Scad	4	2	148	-	-	108	26
Yellowtail	535	243	76	(1)	(1)	(1)	753
Other Jacks	2,599	1,178	4,335	1,818	821	3,453	2,543
Mullets **							
Striped Mullet	6,394	2,901	7,339	4,570	2,073	6,039	7,199
Other Mullets	1,272	577	23,283	3,199	1,452	23,272	2,405
Porgies							
Pinfishes	3,996	1,812	12,941	3,147	1,428	12,350	4,256
Red Porgy	1,084	491	770	611	276	492	775
Scup **	9,999	4,534	9,144	13,545	6,146	13,845	11,726
Sheepshead	11,150	5,057	4,700	18,156	8,237	6,559	12,999
Other Porgies **	890	404	954	525	233	578	732
Puffers	924	419	2,217	351	158	883	857
Rockfishes							
Black Rockfish	2,139	971	892	1,436	652	587	2,050
Blue Rockfish	339	153	366	14	7	10	288
Bocaccio	153	70	81	4	1	(1)	176
Brown Rockfish	181	82	135	(1)	(1)	(1)	167
Canary Rockfish	78	36	57	71	32	39	66
Chilipepper Rockfish	11	5	22	(1)	(1)	(1)	13
Copper Rockfish	336	152	187	19	8	5	228
Gopher Rockfish	147	66	152	(1)	(1)	(1)	97
Greenspotted Rockfish	21	9	28	(1)	(1)	(1)	17
Olive Rockfish	115	52	113	(1)	(1)	(1)	69
Quillback Rockfish	24	11	13	19	9	6	20
Widow Rockfish	5	2	6	4	2	2	21
Yellowtail Rockfish	168	77	117	141	64	57	218
Other Rockfishes **	964	433	1,470	93	41	42	936

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2016 AND 2017

Species	2016(2,3)			2017 (2,3,4,5)			Average (2013-2017)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Sablefishes	4	2	16	6	3	1	3
Scorpionfishes	(1)	(1)	1	(1)	(1)	2	1
Sculpins							
Cabezon	138	62	33	66	30	11	125
Other Sculpins	4	1	7	1	(1)	3	5
Sea Basses							
Barred Sand Bass	44	20	20	-	-	-	116
Black Sea Bass	13,650	6,190	7,211	13,429	6,094	7,465	10,645
Epinephelus Groupers **	3,285	1,489	520	2,205	999	319	4,453
Groupers	32	14	9	-	-	3	21
Kelp Bass	226	102	125	(1)	(1)	(1)	139
Mycteroperca Groupers **	3,124	1,416	359	3,407	1,548	390	3,641
Spotted Sand Bass	12	6	12	-	-	-	7
Other Sea Basses	351	158	841	124	54	390	214
**Sea Chubs ** **							
Halfmoon	24	11	28	-	-	-	26
Highfin Rudderfish	-	-	5	-	-	2	3
Opaleye	20	9	23	-	-	-	30
Other Sea Chubs	13	6	13	44	20	25	45
Searobins	902	409	801	1,004	455	920	1,049
Silversides							
Jacksmelt	150	68	383	(1)	(1)	(1)	93
Other Silversides	2	(1)	105	-	-	-	29
**Smelts ** **							
Surf Smelt	(1)	(1)	(1)	-	-	-	(1)
Other Smelts	(1)	(1)	39	-	-	(1)	(1)
Snappers							
Blacktail Snapper	9	4	15	5	2	9	6
Bluestripe Snapper	8	4	52	21	9	78	11
Gray Snapper	8,084	3,668	7,799	7,633	3,461	6,609	6,935
Green Jobfish	46	20	10	261	118	19	134
Lane Snapper	726	330	839	1,395	633	1,545	786
Pink Snapper	27	12	17	46	21	10	78
Red Snapper	9,909	4,494	1,727	19,473	8,833	3,136	12,958
Vermilion Snapper	2,107	954	1,942	2,550	1,157	2,328	2,019
Yellowtail Snapper	1,508	683	1,568	1,884	854	1,589	1,667
Other Snappers **	2,113	957	827	1,499	679	505	1,641

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2016 AND 2017

Species	2016(2,3)			2017 (2,3,4,5)			Average (2013-2017)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Squirrel/Soldierfishes							
Bigscale Soldierfish	-	-	50	-	-	75	3
Squirrel Fishes	(1)	(1)	4	12	6	28	7
Whitetip Soldierfish	-	-	(1)	-	-	-	(1)
Other Soldierfishes	(1)	(1)	6	(1)	(1)	2	3
Sturgeons	16	7	(1)	(1)	(1)	(1)	13
Surfperches							
Barred Surfperch	337	153	461	-	-	-	395
Black Perch	12	4	16	-	-	-	17
Pile Perch	4	2	3	(1)	(1)	(1)	4
Redtail Surfperch	102	46	89	(1)	(1)	(1)	54
Shiner Perch	2	(1)	37	-	-	-	5
Silver Surfperch	15	7	55	-	-	-	14
Striped Seaperch	36	16	40	(1)	(1)	(1)	32
Walleye Surfperch	12	6	49	-	-	-	17
White Seaperch	1	(1)	5	-	-	-	3
Other Surfperches	29	13	65	3	2	4	38
Surgeonfishes							
Convict Tang	21	9	123	4	2	57	19
Goldring Surgeonfish	(1)	(1)	58	10	4	77	16
Unicornfishes	1	(1)	10	-	-	3	11
Other Surgeonfishes	13	6	43	42	18	27	52
Temperate Basses							
Striped Bass	43,914	19,918	3,556	38,145	17,303	3,008	47,162
White Perch	2,980	1,352	7,036	2,657	1,206	6,819	2,543
Other Temperate Basses	53	24	25	(1)	(1)	(1)	20
Toadfishes	19	9	43	107	49	134	89
Triggerfishes/Filefishes	2,817	1,278	1,200	1,739	786	870	1,915
Tunas and Mackerels							
Albacore	1,569	711	88	849	385	47	2,871
Atlantic Mackerel	9,146	4,149	16,580	7,962	3,611	17,809	6,947
Chub Mackerel	400	180	1,032	14	6	27	353
Kawakawa	38	18	9	27	12	8	80
King Mackerel **	10,319	4,680	1,288	11,387	5,164	1,222	9,852
Little Tunny/Atl. Bonito **	5,937	2,689	864	5,835	2,646	922	6,334

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2016 AND 2017

Species	2016(2,3)			2017 (2,3,4,5)			Average (2013-2017)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Pacific Bonito **	202	92	104	-	-	-	218
Skipjack Tuna	974	444	151	1,206	548	162	1,932
Spanish Mackerel	11,535	5,230	9,040	9,658	4,378	8,152	10,800
Wahoo	6,934	3,146	224	5,426	2,460	162	4,407
Yellowfin Tuna	11,408	5,176	327	18,046	8,186	501	15,581
Other Tunas/Mackerels **	6,481	2,939	774	6,209	2,816	577	6,316
Wrasses							
California Sheephead	89	39	32	-	-	-	107
Cunner	68	30	143	28	12	116	69
Hawaiian Hogfish	-	-	3	3	2	8	6
Razorfishes	13	6	33	28	13	45	43
Tautog	8,394	3,810	2,087	7,547	3,422	2,073	8,808
Other Wrasses	1,356	613	652	561	254	247	1,078
Other Fishes **	16,038	7,271	15,498	13,283	6,022	13,954	16,001
Grand Total	**427,705**	**193,954**	**427,192**	**446,924**	**202,678**	**397,439**	**470,836**

NOTES: (1) Number or pounds less than 1,000 or less than 1 metric ton.
(2) Texas harvest is estimated by numbers only (no weight) and includes only private and for-hire fisheries.
(3) Louisiana harvest is estimated by numbers only (no weight).
(4) Alaska data not available for current year.
(5) Puerto Rico 2017 estimates only include data through August, due to Hurricane Maria.
** Fish included in these groups are not equivalent to those with similar names listed in the commercial tables.

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2017

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Anchovies **												
Northern Anchovy	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Other Anchovies	(1)	(1)	(1)	(1)	(1)	378	-	-	-	(1)	(1)	378
Barracudas												
Pacific Barracuda	-	-	-	-	-	-	-	-	-	-	-	-
Other Barracudas	287	130	33	2,740	1,242	160	881	398	92	3,908	1,770	284
Bluefish	13,080	5,933	7,781	18,430	8,360	6,114	1,126	509	273	32,636	14,802	14,168
Smallmouth Bonefish	1	1	4	36	16	15	-	-	-	37	17	19
Cartilaginous Fishes												
Skates/Rays **	1,559	709	167	52	22	34	119	54	6	1,730	785	207
Spiny Dogfish	122	56	21	48	21	9	137	62	23	307	139	53
Other Sharks **	645	294	106	546	248	123	10,376	4,706	111	11,567	5,248	340
Catfishes												
Freshwater Catfishes	3,485	1,581	1,970	-	-	52	-	-	-	3,485	1,581	2,023
Saltwater Catfishes	1,270	577	673	562	254	246	10	5	5	1,843	836	924
Cods And Hakes												
Atlantic Cod	39	18	7	62	28	11	2,147	974	212	2,248	1,020	230
Pacific Cod	-	-	-	2	1	(1)	-	-	-	2	1	(1)
Pacific Hake	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Pacific Tomcod	-	-	-	-	-	-	-	-	-	-	-	-
Pollock	345	157	91	354	160	245	1,082	491	266	1,781	808	602
Red Hake	(1)	(1)	(1)	15	6	18	165	74	149	180	80	167
Other Cods/Hakes	186	84	99	66	30	23	4,762	2,159	1,669	5,015	2,273	1,791
Damselfishes												
Blackspot Sergeant	-	-	5	-	-	6	-	-	-	-	-	11
Other Damselfishes	-	-	1	-	-	9	-	-	-	-	-	10
Dolphinfishes **	1	(1)	(1)	1,012	460	236	13,402	6,078	2,327	14,416	6,538	2,564

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2017

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Drums												
Atlantic Croaker	5,332	2,418	12,612	525	238	1,658	24	11	60	5,882	2,667	14,330
Black Drum	6,316	2,864	1,461	3,845	1,743	1,005	23	11	7	10,184	4,618	2,473
California Corbina	-	-	-	-	-	-	-	-	-	-	-	-
Kingfishes	3,770	1,710	9,575	4,157	1,885	13,016	29	13	51	7,956	3,608	22,642
Queenfish	-	-	-	-	-	-	-	-	-	-	-	-
Red Drum	11,830	5,366	3,216	5,125	2,326	1,371	477	216	82	17,432	7,908	4,669
Sand Seatrout	3,635	1,649	8,433	797	361	1,662	20	9	32	4,452	2,019	10,127
Silver Perch	70	31	324	387	175	2,036	-	-	-	457	206	2,359
Spot	5,502	2,495	16,312	2,135	968	7,362	(1)	(1)	(1)	7,637	3,463	23,673
Spotted Seatrout	11,866	5,382	8,039	4,574	2,074	3,919	357	161	206	16,797	7,617	12,163
Weakfish **	340	155	207	90	41	74	22	9	19	452	205	301
White Croaker	-	-	-	-	-	-	-	-	-	-	-	-
Other Drum	1	1	285	300	136	619	5	2	7	307	139	911
**Eels ** **												
Conger Eels	(1)	(1)	(1)	18	9	5	10	5	3	29	14	8
Moray Eels	(1)	(1)	1	(1)	(1)	4	(1)	(1)	(1)	(1)	(1)	4
Other Eels	91	41	73	(1)	(1)	(1)	3	2	1	94	43	74
Hawaiian Flagtail	-	-	37	6	3	57	-	-	-	6	3	93
Flounders												
California Halibut **	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Gulf Flounder	150	68	133	328	148	297	40	18	22	518	234	452
Rock Sole	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Sanddabs	-	-	-	7	3	13	-	-	-	7	3	13
Southern Flounder	1,824	828	1,055	171	78	123	30	12	14	2,025	918	1,192
Starry Flounder	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Summer Flounder	4,868	2,209	1,668	2,864	1,299	871	2,484	1,126	689	10,216	4,634	3,228
Winter Flounder	320	144	237	107	49	87	2	(1)	1	429	193	326
Other Flounders **	133	60	448	895	405	411	1	(1)	12	1,029	465	871

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2017

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Goatfishes												
Manybar Goatfish	-	-	6	2	1	8	(1)	(1)	1	2	1	14
Whitesaddle Goatfish	-	-	(1)	-	-	2	-	-	-	-	-	2
Yellowstripe Goatfish	2	1	34	9	4	346	-	-	-	11	5	380
Other Goatfishes	-	-	1	11	5	24	(1)	(1)	(1)	11	5	25
Greenlings												
Kelp Greenling	-	-	-	10	4	6	-	-	-	10	4	6
Lingcod	-	-	-	759	344	109	-	-	-	759	344	109
Other Greenlings	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Grunts												
Pigfish	419	191	1,243	77	35	268	10	4	15	506	230	1,527
White Grunt	218	99	356	880	399	1,354	1,829	829	1,924	2,926	1,327	3,633
Other Grunts	122	56	384	316	144	1,389	147	65	296	585	265	2,069
Herrings **												
Pacific Herring	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Other Herrings	6,211	2,816	52,953	2,295	1,042	29,269	129	58	2,948	8,636	3,916	85,170
Jacks												
Bigeye Scad	73	33	201	422	191	1,073	64	29	33	560	253	1,308
Bigeye Trevally	-	-	-	-	-	-	-	-	-	-	-	-
Blue Runner	153	69	170	9,002	4,083	15,142	688	312	514	9,843	4,464	15,826
Bluefin Trevally	53	24	15	229	104	62	1	1	(1)	283	129	78
Crevalle Jack	2,745	1,246	866	5,710	2,591	1,562	31	14	10	8,486	3,851	2,438
Florida Pompano	497	226	307	2,398	1,088	2,087	25	11	14	2,920	1,325	2,408
Giant Trevally	1	1	(1)	130	59	10	12	5	1	143	65	11
Greater Amberjack	(1)	(1)	(1)	291	132	29	2,184	991	99	2,474	1,123	128
Island Jack	-	-	1	37	17	19	-	-	-	37	17	20
Mackerel Scad	-	-	-	-	-	47	-	-	61	-	-	108
Whitemouth Trevally	-	-	-	-	-	-	-	-	-	-	-	-
Yellowtail	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Other Jacks	127	58	175	812	366	2,339	879	397	940	1,818	821	3,453
Mullets **												
Striped Mullet	3,759	1,705	5,217	730	331	728	81	37	94	4,570	2,073	6,039
Other Mullets	911	414	13,467	2,288	1,038	9,769	(1)	(1)	37	3,199	1,452	23,272

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2017

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Porgies												
Pinfishes	2,128	966	8,660	801	363	3,123	218	99	567	3,147	1,428	12,350
Red Porgy	(1)	(1)	(1)	102	46	118	509	230	374	611	276	492
Scup **	9,977	4,527	10,051	3,093	1,404	3,444	475	215	350	13,545	6,146	13,845
Sheepshead	13,024	5,908	4,234	3,864	1,753	1,892	1,268	576	433	18,156	8,237	6,559
Other Porgies **	5	1	9	141	61	174	379	171	396	525	233	578
Puffers	146	65	342	191	87	536	14	6	5	351	158	883
Rockfishes												
Black Rockfish	-	-	-	1,436	652	587	-	-	-	1,436	652	587
Blue Rockfish	-	-	-	14	7	10	-	-	-	14	7	10
Bocaccio	-	-	-	4	1	(1)	-	-	-	4	1	(1)
Brown Rockfish	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Canary Rockfish	-	-	-	71	32	39	-	-	-	71	32	39
Chilipepper Rockfish	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Copper Rockfish	-	-	-	19	8	5	-	-	-	19	8	5
Gopher Rockfish	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Greenspotted Rockfish	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Olive Rockfish	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Quillback Rockfish	-	-	-	19	9	6	-	-	-	19	9	6
Widow Rockfish	-	-	-	4	2	2	-	-	-	4	2	2
Yellowtail Rockfish	-	-	-	141	64	57	-	-	-	141	64	57
Other Rockfishes **	-	-	-	93	41	42	-	-	-	93	41	42
Sablefishes	-	-	-	6	3	1	-	-	-	6	3	1
Scorpionfishes												
California Scorpionfish	-	-	-	-	-	-	-	-	-	-	-	-
Other Scorpionfishes	(1)	(1)	1	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	2
Sculpins												
Cabezon	-	-	-	66	30	11	-	-	-	66	30	11
Other Sculpins	(1)	(1)	1	1	(1)	1	(1)	(1)	(1)	1	(1)	3

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2017

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Sea Basses												
Barred Sand Bass	-	-	-	-	-	-	-	-	-	-	-	-
Black Sea Bass	2,602	1,180	1,235	2,885	1,309	1,876	7,943	3,605	4,354	13,429	6,094	7,465
Epinephelus Groupers **	16	7	3	384	174	55	1,804	818	262	2,205	999	319
Other Groupers	-	-	(1)	-	-	3	-	-	-	-	-	3
Kelp Bass	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Mycteroperca Groupers **	394	179	44	1,027	468	119	1,987	901	228	3,407	1,548	390
Spotted Sand Bass	-	-	-	-	-	-	-	-	-	-	-	-
Other Sea Basses	20	8	58	33	15	98	71	31	234	124	54	390
**Sea Chubs ** **												
Halfmoon	-	-	-	-	-	-	-	-	-	-	-	-
Highfin Rudderfish	-	-	-	-	-	2	-	-	-	-	-	2
Opaleye	-	-	-	-	-	-	-	-	-	-	-	-
Other Sea Chubs	2	1	3	42	19	22	-	-	-	44	20	25
Searobins	803	364	743	187	85	163	13	6	14	1,004	455	920
Silversides												
Jacksmelt	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Other Silversides	-	-	-	-	-	-	-	-	-	-	-	-
**Smelts ** **												
Surf Smelt	-	-	-	-	-	-	-	-	-	-	-	-
Other Smelts	-	-	-	-	-	(1)	-	-	-	-	-	(1)
Snappers												
Blacktail Snapper	5	2	4	-	-	5	-	-	-	5	2	9
Bluestripe Snapper	(1)	(1)	1	14	6	62	7	3	16	21	9	78
Gray Snapper	3,013	1,366	3,650	2,105	955	2,022	2,515	1,140	937	7,633	3,461	6,609
Green Jobfish	-	-	-	83	37	8	178	81	11	261	118	19
Lane Snapper	100	46	172	268	121	300	1,028	466	1,072	1,395	633	1,545
Pink Snapper	-	-	-	15	7	4	31	14	6	46	21	10
Red Snapper	82	38	21	3,505	1,589	696	15,886	7,206	2,419	19,473	8,833	3,136
Vermilion Snapper	2	1	1	374	170	430	2,175	986	1,897	2,550	1,157	2,328
Yellowtail Snapper	50	23	44	464	210	426	1,370	621	1,119	1,884	854	1,589
Other Snappers **	384	174	111	491	223	298	623	282	96	1,499	679	505

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2017

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Squirrel/Soldierfishes												
Bigscale Soldierfish	-	-	-	-	-	75	-	-	-	-	-	75
Squirrel Fishes	-	-	-	8	3	8	4	3	19	12	6	28
Whitetip Soldierfish	-	-	-	-	-	-	-	-	-	-	-	-
Other Soldierfishes	-	-	-	(1)	(1)	2	-	-	-	(1)	(1)	2
Sturgeons	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Surfperches												
Barred Surfperch	-	-	-	-	-	-	-	-	-	-	-	-
Black Perch	-	-	-	-	-	-	-	-	-	-	-	-
Pile Perch	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Redtail Surfperch	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Shiner Perch	-	-	-	-	-	-	-	-	-	-	-	-
Silver Surfperch	-	-	-	-	-	-	-	-	-	-	-	-
Striped Seaperch	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Walleye Surfperch	-	-	-	-	-	-	-	-	-	-	-	-
White Seaperch	-	-	-	-	-	-	-	-	-	-	-	-
Other Surfperches	-	-	-	3	2	4	-	-	-	3	2	4
Surgeonfishes												
Convict Tang	-	-	29	4	2	28	-	-	-	4	2	57
Goldring Surgeonfish	3	1	38	7	3	39	-	-	-	10	4	77
Unicornfishes	-	-	1	-	-	2	-	-	-	-	-	3
Other Surgeonfishes	6	2	6	36	16	21	-	-	-	42	18	27
Temperate Basses												
Striped Bass	20,374	9,242	2,070	15,566	7,061	832	2,204	1,000	106	38,145	17,303	3,008
White Perch	2,656	1,205	6,817	-	-	-	1	1	2	2,657	1,206	6,819
Other Temperate Basses	(1)	(1)	(1)	-	-	-	-	-	-	(1)	(1)	(1)
Toadfishes	85	40	124	20	9	7	2	(1)	3	107	49	134
Triggerfishes/Filefishes	76	34	36	671	304	293	992	448	541	1,739	786	870

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2017

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Tunas and Mackerels												
Albacore	-	-	-	820	372	46	29	13	1	849	385	47
Atlantic Mackerel	2,522	1,144	5,948	3,431	1,556	7,990	2,010	911	3,870	7,962	3,611	17,809
Chub Mackerel	(1)	(1)	(1)	(1)	(1)	12	13	6	15	14	6	27
Kawakawa	-	-	-	8	4	4	18	8	4	27	12	8
King Mackerel **	193	87	9	5,114	2,320	509	6,080	2,757	704	11,387	5,164	1,222
Little Tunny/Atlantic Bonito **	137	62	26	2,172	985	385	3,526	1,599	510	5,835	2,646	922
Pacific Bonito **	-	-	-	-	-	-	-	-	-	-	-	-
Skipjack Tuna	(1)	(1)	(1)	53	24	8	1,153	524	154	1,206	548	162
Spanish Mackerel	1,921	869	1,264	7,079	3,210	6,542	659	299	346	9,658	4,378	8,152
Wahoo	-	-	-	401	182	18	5,025	2,278	144	5,426	2,460	162
Yellowfin Tuna	-	-	-	301	137	8	17,745	8,049	493	18,046	8,186	501
Other Tunas/Mackerels **	66	30	1	341	155	151	5,802	2,631	424	6,209	2,816	577
Wrasses												
California Sheephead	-	-	-	-	-	-	-	-	-	-	-	-
Cunner	2	1	3	15	7	93	10	4	19	28	12	116
Hawaiian Hogfish	-	-	(1)	2	1	6	2	1	2	3	2	8
Razorfishes	-	-	-	28	13	44	-	-	1	28	13	45
Tautog	3,917	1,776	1,089	2,914	1,321	744	715	325	239	7,547	3,422	2,073
Other Wrasses	(1)	(1)	11	233	105	113	328	149	123	561	254	247
Other Fishes **	3,017	1,369	8,208	5,724	2,593	4,195	4,541	2,060	1,551	13,283	6,022	13,954
Grand Total	**160,965**	**73,007**	**206,658**	**150,547**	**68,272**	**152,262**	**135,411**	**61,399**	**38,519**	**446,924**	**202,678**	**397,439**

NOTES: (1) Number or pounds less than 1,000 or less than 1 metric ton.
(2) West Florida state territorial seas extend 0 to 10 miles.
(3) Includes all Oregon and Washington harvest (where distance from shore is unknown).
(4) Louisiana harvest is estimated by numbers only (no weight), includes harvest from inland and state territorial seas,
(5) Alaska data not available for current year.
(6) Texas harvest is estimated by numbers only (no weight) and includes only private and for-hire fisheries.
(7) Puerto Rico estimates only include data through August, due to Hurricane Maria.
** Fish included in these groups are not equivalent to those with similar names listed in the commercial tables.

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2008-2017

Year	Barracudas			Bluefish		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	2,246	310	814	36,892	15,275	32,739
2009	2,589	335	775	41,603	18,664	33,916
2010	1,950	258	707	47,100	22,327	41,632
2011	1,074	178	453	35,199	21,468	38,696
2012	1,538	251	589	33,174	18,996	33,680
2013	1,500	276	740	35,352	20,654	37,313
2014	2,166	484	669	28,037	22,212	35,271
2015	3,215	484	982	30,457	14,154	29,623
2016	1,720	287	727	25,594	15,953	32,556
2017	3,908	284	521	32,636	14,168	29,496

Year	Cartilaginous Fishes			Catfishes		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	5,192	742	33,111	4,340	2,385	27,633
2009	8,773	726	33,025	3,182	1,778	24,416
2010	4,441	710	29,453	6,404	3,264	39,172
2011	2,246	623	28,800	7,187	3,214	37,953
2012	2,391	619	29,811	9,845	5,407	34,843
2013	7,043	971	40,061	8,636	4,542	43,904
2014	11,080	875	36,506	14,126	3,753	30,002
2015	24,661	619	32,277	7,818	3,820	30,241
2016	12,445	1,160	28,946	6,398	3,912	31,740
2017	13,604	600	22,758	5,328	2,947	38,808

Year	Cods and Hakes			Dolphinfishes		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	13,049	2,204	2,902	19,291	2,506	1,035
2009	9,516	2,223	2,475	21,343	2,476	341
2010	16,095	2,905	3,690	13,550	1,894	496
2011	13,291	2,728	3,204	17,882	3,160	1,356
2012	5,841	1,681	2,875	17,819	2,677	497
2013	8,489	2,942	5,518	16,371	2,513	3,377
2014	5,404	2,049	5,046	19,838	2,697	1,341
2015	3,720	1,198	5,026	28,863	4,167	1,956
2016	7,176	2,580	7,236	19,898	2,249	348
2017	9,225	2,790	6,528	14,416	2,564	844

(continued)

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2008-2017

Year	Drums			Flounders		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	114,436	121,761	162,973	18,979	7,933	42,093
2009	116,089	113,027	161,596	19,342	8,771	54,912
2010	121,706	118,223	168,040	20,182	8,989	64,903
2011	125,398	127,622	175,704	22,144	10,233	59,743
2012	121,923	128,524	207,606	24,314	11,178	47,704
2013	131,212	135,251	213,330	27,708	12,395	46,946
2014	72,246	112,912	140,883	22,130	9,982	46,856
2015	63,227	87,226	133,977	16,091	7,473	36,910
2016	62,926	86,551	149,971	18,229	7,945	33,207
2017	71,556	93,649	149,403	14,225	6,082	30,707

Year	Greenlings			Grunts		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	569	98	78	4,597	8,945	16,666
2009	639	111	113	4,579	8,784	12,836
2010	658	128	139	3,904	6,411	11,579
2011	1,113	210	229	6,095	9,869	17,362
2012	1,299	243	234	6,033	9,543	16,047
2013	1,753	295	209	5,921	10,574	18,649
2014	1,993	327	202	6,628	10,923	17,915
2015	2,386	391	196	4,873	8,245	18,360
2016	2,188	353	202	5,002	7,752	18,949
2017	770	116	33	4,018	7,229	16,307

Year	Herrings			Jacks		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	5,721	93,818	7,587	21,505	15,950	21,695
2009	5,618	117,444	19,469	24,175	18,575	18,749
2010	4,734	63,980	11,148	15,874	9,332	17,639
2011	5,164	58,239	15,736	10,107	11,169	20,422
2012	13,504	66,860	19,371	14,189	13,326	23,641
2013	8,131	90,538	16,745	22,546	26,290	38,774
2014	10,764	99,795	47,460	26,259	27,414	39,577
2015	9,626	124,789	16,536	23,626	24,271	35,736
2016	11,761	121,245	35,205	25,627	23,410	34,004
2017	8,636	85,170	27,695	26,565	25,778	28,430

(continued)

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2008-2017

Year	Mullets			Porgies		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	11,012	26,442	4,510	29,400	35,621	56,869
2009	9,113	23,573	6,774	26,081	28,063	46,293
2010	9,512	21,382	10,809	35,906	34,624	59,808
2011	14,439	34,647	13,270	41,293	31,350	59,496
2012	13,057	35,070	12,499	31,575	31,998	79,418
2013	14,029	32,472	6,382	29,240	33,128	60,215
2014	8,274	23,392	10,554	29,165	37,587	69,924
2015	10,282	30,828	5,470	30,932	36,990	65,136
2016	7,666	30,622	6,333	27,119	28,508	71,820
2017	7,770	29,311	7,659	35,984	33,825	70,535

Year	Puffers			Rockfishes		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	155	538	5,412	2,770	1,759	222
2009	194	389	5,369	3,357	2,050	250
2010	952	1,921	4,906	3,213	2,045	303
2011	1,786	5,177	5,514	3,619	2,661	392
2012	1,335	2,751	8,639	4,086	3,146	418
2013	1,194	2,302	4,459	4,965	3,617	626
2014	412	859	6,302	5,087	3,732	574
2015	1,404	2,968	8,888	5,293	3,668	581
2016	924	2,217	6,942	4,681	3,291	526
2017	351	883	5,591	1,800	750	116

Year	Sculpins			Sea Basses		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	92	46	161	18,724	6,480	54,771
2009	121	37	109	15,904	6,667	43,951
2010	111	29	209	17,419	8,373	45,309
2011	153	73	248	10,570	5,526	39,112
2012	148	48	155	18,416	7,169	58,741
2013	135	47	368	17,382	6,228	44,332
2014	149	40	133	20,222	7,609	49,302
2015	161	45	143	18,519	7,553	39,795
2016	142	40	513	20,724	9,097	51,417
2017	67	13	337	19,164	8,568	60,617

(continued)

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2008-2017

Year	Sea Chubs			Searobins		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	60	137	30	160	598	12,548
2009	50	111	43	226	317	11,534
2010	39	96	82	122	211	10,732
2011	59	47	11	281	336	7,689
2012	105	105	48	356	471	20,970
2013	113	111	13	1,804	1,317	23,629
2014	182	107	29	342	333	9,222
2015	57	77	52	1,193	968	20,332
2016	57	70	41	902	801	22,116
2017	44	27	(1)	1,004	920	31,965

Year	Silversides			Smelts		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	342	886	492	1	9	(1)
2009	336	893	374	1	6	(1)
2010	158	497	209	(1)	3	(1)
2011	159	440	194	111	1,278	39
2012	131	437	272	1	38	9
2013	141	455	289	(1)	7	2
2014	160	423	236	(1)	6	(1)
2015	128	447	200	(1)	80	1
2016	151	488	202	(1)	1	(1)
2017	(1)	(1)	(1)	-	(1)	(1)

Year	Snappers			Surfperches		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	19,236	10,706	34,432	381	686	554
2009	17,794	9,447	26,462	232	537	510
2010	11,756	5,467	14,837	158	470	223
2011	17,097	6,195	17,794	523	824	714
2012	20,564	9,030	25,366	590	1,027	984
2013	29,257	12,930	36,929	461	809	819
2014	23,578	13,998	39,772	602	993	1,002
2015	19,035	11,062	33,985	831	1,226	912
2016	24,536	14,795	43,580	550	821	521
2017	34,767	15,826	46,541	3	4	1

(continued)

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2008-2017

Year	Temperate Basses			Toadfishes		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	60,718	11,819	38,766	30	41	4,365
2009	55,760	6,879	26,904	23	34	3,414
2010	65,770	13,732	30,785	131	101	3,228
2011	62,854	10,993	27,539	31	21	4,400
2012	56,868	10,758	40,924	73	50	4,572
2013	68,275	12,978	47,357	161	156	4,753
2014	49,898	8,190	34,648	89	97	4,695
2015	42,698	9,054	35,766	70	43	4,299
2016	46,947	10,617	46,935	19	43	3,515
2017	40,802	9,826	51,159	107	134	4,608

Year	Triggerfishes/Filefishes			Tunas and Mackerels		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	1,537	685	603	63,026	22,155	12,150
2009	2,098	916	864	68,217	18,448	10,058
2010	1,889	693	881	60,790	28,226	12,753
2011	1,838	677	660	52,159	26,937	12,534
2012	1,511	619	939	60,765	22,406	10,325
2013	2,047	727	1,197	69,473	27,017	17,922
2014	1,984	854	1,115	57,612	20,453	14,658
2015	988	414	2,431	69,586	28,199	11,397
2016	2,817	1,200	4,813	64,943	30,479	11,008
2017	1,739	870	4,279	66,617	29,587	15,784

Year	Wrasses		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2008	9,398	3,606	7,005
2009	10,857	3,232	7,888
2010	11,119	3,517	9,158
2011	5,489	1,715	7,599
2012	8,282	2,460	9,382
2013	10,389	3,125	11,406
2014	13,065	3,634	12,404
2015	8,899	2,894	12,295
2016	9,920	2,950	14,959
2017	8,167	2,488	14,749

NOTES: (1) Number or pounds less than 1,000 or less than 1 metric ton.
(2) Louisiana (2014-2016) harvest is estimated by numbers only (no weight).
(3) Alaska data not available for current year.
(4) Texas harvest is estimated by numbers only (no weight) and includes only private and for-hire fisheries.
(5) Puerto Rico 2017 estimates only include data through August, due to Hurricane Maria.

U.S. RECREATIONAL FINFISH HARVESTED AND RELEASED, 2016 AND 2017

State	2016		
	Pounds Harvested (1) (thousands)	Number Harvested (thousands)	Number Released (1) (thousands)
California	8,219	6,908	4,748
Oregon	2,403	566	104
Washington	2,958	505	94
Connecticut	8,286	4,696	14,773
Maine	1,994	5,195	3,979
Massachusetts	21,774	15,342	20,993
New Hampshire	2,324	2,926	2,666
Rhode Island	7,002	3,249	11,732
Delaware	1,649	531	3,967
Maryland	19,376	11,968	38,863
New Jersey	36,790	14,971	52,792
New York	46,184	17,549	70,251
Virginia	14,962	18,738	27,215
Florida	159,180	222,968	278,464
Georgia	6,323	7,488	12,168
North Carolina	28,783	29,613	79,311
South Carolina	8,131	15,622	36,976
Alabama	26,158	20,250	29,863
Louisiana	-	8,210	-
Mississippi	13,770	12,646	16,375
Hawaii	7,701	2,483	382
Texas	-	2,207	-
Alaska	-	1,383	769
Puerto Rico	3,739	1,178	353
Grand Total	**427,705**	**427,192**	**706,839**

State	2017		
	Pounds Harvested (1,2) (thousands)	Number Harvested (thousands)	Number Released (1,2) (thousands)
California	10,106	7,790	5,205
Oregon	2,347	651	151
Washington	2,651	422	101
Connecticut	7,236	4,887	19,379
Maine	1,567	2,212	3,527
Massachusetts	27,725	19,369	31,871
New Hampshire	3,319	3,963	2,906
Rhode Island	5,699	2,944	7,923
Delaware	3,393	1,484	4,045
Maryland	17,651	10,718	28,250
New Jersey	35,909	13,743	41,582
New York	52,989	18,236	83,792
Virginia	19,043	32,482	29,798
Florida	157,209	190,015	272,609
Georgia	6,440	8,683	15,302
North Carolina	27,434	24,993	73,343
South Carolina	11,607	16,979	32,819
Alabama	30,925	18,984	35,780
Louisiana	-	2,127	-
Mississippi	14,999	11,105	21,529
Hawaii	8,013	3,010	421
Texas	-	2,035	-
Alaska	-	-	-
Puerto Rico	662	609	178
Grand Total	**446,924**	**397,439**	**710,512**

NOTE: (1) Texas only estimates harvest (no weight or release data) and includes only private and for-hire fisheries.
(2) Louisiana only estimates harvest (no weight or release data)
(3) Oregon and Washington estimates include only private and for-hire fisheries.
(4) Alaska data not available for current year.
(5) Puerto Rico 2017 estimates only include data through August, due to Hurricane Maria.

U.S. RECREATIONAL NUMBERS OF ANGLERS AND TRIPS BY STATE, 2016 AND 2017

State	2016			
	Out-of-State Anglers	In-State Anglers		Number of Angler Trips
		From Coastal Counties (1)	From Non-Coastal Counties	
	Numbers in thousands			
California	-	-	-	3,503
Oregon	-	-	-	178
Washington	-	-	-	137
Connecticut	88	297	-	4,230
Maine	110	114	13	1,948
Massachusetts	289	476	73	7,244
New Hampshire	57	69	8	1,061
Rhode Island	243	149	-	2,999
Delaware	168	104	-	2,130
Maryland	352	453	23	9,364
New Jersey	378	507	32	13,852
New York	113	780	29	15,765
Virginia	244	394	86	7,247
Florida	2,980	2,451	-	77,631
Georgia	49	110	89	3,880
North Carolina	1,066	541	281	21,159
South Carolina	510	163	102	9,335
Alabama	465	274	176	7,320
Louisiana	-	-	-	2,242
Mississippi	106	156	83	4,718
Hawaii	-	-	-	1,024
Texas	-	-	-	1,187
Alaska	188	118	-	514
Puerto Rico	-	-	-	654
Grand Total (5)				**199,323**

State	2017			
	Out-of-State Anglers	In-State Anglers		Number of Angler Trips
		From Coastal Counties (1,2)	From Non-Coastal Counties	
	Numbers in thousands			
California	-	-	-	3,546
Oregon	-	-	-	188
Washington	-	-	-	146
Connecticut	102	296	-	3,937
Maine	145	114	10	1,748
Massachusetts	211	350	38	7,775
New Hampshire	19	24	4	972
Rhode Island	194	132	-	2,318
Delaware	94	80	-	1,991
Maryland	265	353	41	8,343
New Jersey	253	447	16	12,288
New York	62	541	10	16,634
Virginia	263	329	80	6,749
Florida	2,996	2,375	-	82,244
Georgia	57	110	73	4,624
North Carolina	795	481	235	22,452
South Carolina	437	184	93	9,389
Alabama	480	186	246	8,493
Louisiana	-	-	-	547
Mississippi	97	153	50	4,852
Hawaii	-	-	-	1,280
Texas	-	-	-	1,144
Alaska	-	-	-	-
Puerto Rico	-	-	-	338
Grand Total (5)				**201,997**

NOTE: (1) All counties in Rhode Island, Connecticut, Delaware and Florida are considered coastal.
(2) Alaska estimates are presented as coastal, current year data not available.
(3) Puerto Rico, Louisiana, Hawaii, Texas, California, Oregon, and Washington angler data not available.
(4) Out-of-state angler estimates are not additive across states.

World Fisheries

WORLD AQUACULTURE AND COMMERCIAL CATCHES, 2007-2016

Year	World Aquaculture			World Commercial Catch			Grand Total
	Inland	Marine	Total	Inland	Marine	Total	
	---------- Metric tons ----------			---------- Metric tons ----------			
	Live weight			Live weight			
2007	29,929,886	20,011,003	49,940,889	10,075,923	80,372,438	90,448,361	140,389,250
2008	32,391,078	20,523,625	52,914,703	10,162,064	79,310,043	89,472,107	142,386,810
2009	34,270,074	21,420,755	55,690,829	10,325,738	78,856,827	89,182,565	144,873,394
2010	36,886,384	22,075,670	58,962,054	11,028,639	76,786,319	87,814,958	146,777,012
2011	38,567,776	23,228,568	61,796,344	10,703,242	81,473,644	92,176,886	153,973,230
2012	42,047,775	24,395,248	66,443,023	11,152,298	78,367,064	89,519,362	155,962,385
2013	44,781,687	25,372,799	70,154,486	11,202,211	79,371,207	90,573,418	160,727,904
2014	46,902,796	26,763,636	73,666,432	11,333,066	79,872,376	91,205,442	164,871,874
2015	48,594,414	27,459,287	76,053,701	11,408,075	81,247,842	92,655,917	168,709,618
2016	51,366,562	28,664,300	80,030,862	11,633,020	79,276,848	90,909,868	170,940,730

Note: Data for marine mammals and aquatic plants are excluded.
Source: Food and Agriculture Organization of the United Nations (FAO).

WORLD AQUACULTURE AND COMMERCIAL CATCHES OF FISH, CRUSTACEANS, AND MOLLUSKS, 2015-2016

Species group	2015			2016		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	----------Metric tons----------			----------Metric tons----------		
	Live weight			Live weight		
Herrings, sardines, anchovies	-	16,681,674	16,681,674	-	15,540,272	15,540,272
Carps, barbels, cyprinids	29,138,145	1,517,672	30,655,817	30,544,737	1,594,184	32,138,921
Cods, hakes, haddocks	79	8,931,881	8,931,960	509	8,997,288	8,997,797
Tunas, bonitos, billfishes	36,882	7,332,126	7,369,008	37,973	7,463,563	7,501,536
Salmons, trouts, smelts	3,401,439	1,102,984	4,504,423	3,319,715	937,470	4,257,185
Tilapias	5,693,665	709,855	6,403,520	5,898,793	787,470	6,686,263
Flatfish	203,400	954,787	1,158,187	190,243	985,876	1,176,119
Sharks, rays, chimaeras	-	743,650	743,650	-	767,152	767,152
Shads	387	661,762	662,149	590	732,079	732,669
River eels	274,140	7,510	281,650	286,375	6,791	293,166
Sturgeons, paddlefish	105,087	262	105,349	105,267	252	105,519
Other fishes	12,529,936	39,289,548	52,344,946	13,706,947	39,455,101	52,344,946
Shrimp	4,875,332	3,436,218	8,311,550	5,180,563	3,490,795	8,671,358
Crabs	359,092	1,742,564	2,047,923	399,124	1,775,810	2,047,923
Lobsters	1,624	294,637	296,261	1,628	314,806	316,434
Krill	-	250,846	250,846	-	273,750	273,750
Other crustaceans	2,114,899	858,311	2,988,849	2,280,701	855,527	2,988,849
Clams, cockles, arkshells	5,395,189	611,458	6,006,647	5,570,141	591,265	6,161,406
Oysters	5,316,345	146,414	5,462,759	5,594,822	135,435	5,730,257
Squids, cuttlefishes, octopus	1	4,768,673	4,768,674	1	3,625,876	3,625,877
Mussels	1,856,801	102,612	1,959,413	2,007,507	128,453	2,135,960
Scallops	2,081,698	575,720	2,657,418	2,126,930	569,239	2,696,169
Abalones, winkles, conchs	385,196	165,768	550,964	400,230	167,427	567,657
Other mollusks	1,372,904	1,104,386	2,479,488	1,439,509	1,108,276	2,479,488
Sea urchins, other echinoderms	216,178	111,762	327,940	217,013	105,195	322,208
Miscellaneous	695,282	552,837	1,168,995	721,545	500,516	1,168,995
Total	**76,053,701**	**92,655,917**	**168,709,618**	**80,030,862**	**90,909,868**	**170,940,730**

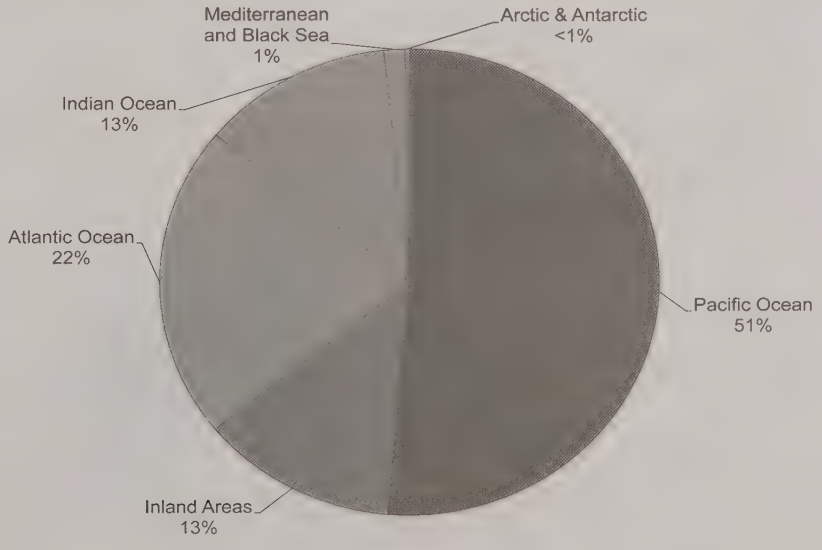
Note: Data for marine mammals and aquatic plants are excluded.
Source: Food and Agriculture Organization of the United Nations (FAO).

WORLD AQUACULTURE AND COMMERCIAL CATCHES BY COUNTRY OF FISH, CRUSTACEANS, AND MOLLUSKS, 2015-2016

Country	2015			2016		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	----------Metric tons----------			----------Metric tons----------		
	Live weight			Live weight		
China	47,053,234	17,591,299	64,644,533	49,244,101	17,564,280	66,808,381
Indonesia	4,342,465	6,689,688	11,032,153	4,950,000	6,542,258	11,492,258
India	5,260,000	4,843,388	10,103,388	5,700,000	5,061,756	10,761,756
Vietnam	3,438,378	2,757,314	6,195,692	3,624,538	2,785,940	6,410,478
United States	426,002	5,038,791	5,464,793	444,369	4,919,741	5,364,110
Russia	152,014	4,457,138	4,609,152	173,104	4,759,331	4,932,435
Peru	90,975	4,824,050	4,915,025	100,186	3,796,978	3,897,164
Bangladesh	2,060,408	1,623,837	3,684,245	2,203,554	1,674,770	3,878,324
Japan	705,452	3,456,019	4,161,471	676,766	3,195,558	3,872,324
Norway	1,380,839	2,293,870	3,674,709	1,326,157	2,033,953	3,360,110
Myanmar	997,306	1,970,470	2,967,776	1,017,614	2,072,390	3,090,004
Philippines	781,798	2,151,467	2,933,265	796,395	2,024,828	2,821,223
Chile	1,045,790	1,786,249	2,832,039	1,035,254	1,499,531	2,534,785
Thailand	928,638	1,501,318	2,429,956	962,571	1,530,583	2,493,154
South Korea	479,360	1,649,802	2,129,162	507,962	1,386,446	1,894,408
Malaysia	246,205	1,491,974	1,738,179	201,898	1,580,291	1,782,189
Mexico	211,562	1,467,267	1,678,829	221,304	1,510,754	1,732,058
Egypt	1,174,831	344,112	1,518,943	1,370,660	335,613	1,706,273
Morocco	1,050	1,364,943	1,365,993	1,142	1,447,020	1,448,162
Brazil	574,500	700,000	1,274,500	580,500	705,000	1,285,500
All others	4,702,894	24,652,921	29,355,815	4,892,787	24,482,847	29,375,634
Total	**76,053,701**	**92,655,917**	**168,709,618**	**80,030,862**	**90,909,868**	**170,940,730**

Note: For the U.S., the weight of clams, oysters, scallops, and other mollusks includes the shell weight. This weight is not included in U.S. landings shown elsewhere. Data for marine mammals and aquatic plants are excluded.
Source: Food and Agriculture Organization of the United Nations (FAO).

World Aquaculture and Commercial Catches, By Area, 2016



WORLD AQUACULTURE AND COMMERCIAL CATCHES BY AREA OF FISH, CRUSTACEANS, AND MOLLUSKS, 2015-2016

Marine Areas	2015			2016		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	Metric tons			Metric tons		
	Live weight			Live weight		
Atlantic Ocean:						
Northeast	2,172,559	9,139,199	11,311,758	2,119,342	8,313,901	10,433,243
Northwest	126,482	1,842,787	1,969,269	131,944	1,811,436	1,943,380
Eastern central	8,779	4,362,180	4,370,959	8,831	4,795,171	4,804,002
Western central	130,351	1,414,318	1,544,669	152,708	1,563,262	1,715,970
Southeast	4,041	1,677,969	1,682,010	4,073	1,688,050	1,692,123
Southwest	91,025	2,427,872	2,518,897	73,022	1,563,957	1,636,979
Mediterranean and Black Sea	452,291	1,314,386	1,766,677	484,928	1,236,999	1,721,927
Indian Ocean:						
Eastern	507,392	6,359,691	6,867,083	514,756	6,387,659	6,902,415
Western	564,065	4,688,848	5,252,913	605,040	4,931,124	5,536,164
Pacific Ocean:						
Northeast	136,876	3,164,604	3,301,480	135,055	3,092,529	3,227,584
Northwest	18,035,587	22,057,759	40,093,346	18,787,731	22,411,224	41,198,955
Eastern central	212,561	1,675,065	1,887,626	216,661	1,656,434	1,873,095
Western central	3,379,787	12,625,068	16,004,855	3,764,114	12,742,955	16,507,069
Southeast	1,493,367	7,702,885	9,196,252	1,498,130	6,329,328	7,827,458
Southwest	144,123	551,534	695,657	167,966	474,066	642,032
Arctic	-	15	15	-	52	52
Antarctic	-	243,662	243,662	-	278,701	278,701
Inland Areas:						
Africa	1,748,027	2,804,629	4,552,656	1,954,350	2,863,916	4,818,266
Asia	45,292,522	7,584,414	52,876,936	47,764,884	7,708,776	55,473,660
Europe	465,070	431,179	896,249	501,633	440,790	942,423
North America	415,728	207,153	622,881	429,710	260,785	690,495
South America	667,623	362,670	1,030,293	710,554	340,804	1,051,358
Oceania	5,445	18,030	23,475	5,433	17,949	23,382
Total	**76,053,701**	**92,655,917**	**168,709,618**	**80,030,862**	**90,909,868**	**170,940,730**

Note: Data for marine mammals and aquatic plants are excluded.
Source: Food and Agriculture Organization of the United Nations (FAO).

WORLD IMPORTS AND EXPORTS OF SEVEN FISHERY COMMODITY GROUPS, BY LEADING COUNTRIES, 2012-2016

Country	2012	2013	2014	2015	2016
	Thousand U.S. dollars				
IMPORTS:					
United States	17,556,581	18,975,440	21,305,873	19,820,311	20,546,742
Japan	17,985,530	15,318,515	14,844,738	13,460,585	13,878,490
China	7,441,250	7,982,251	8,501,380	8,467,702	8,783,461
Spain	6,371,882	6,390,868	6,982,926	6,440,496	7,107,504
France	6,033,942	6,506,208	6,596,770	5,730,494	6,177,285
Italy	5,496,804	5,732,819	6,094,933	5,537,898	6,152,964
Germany	5,193,746	5,414,454	6,029,092	5,132,326	5,601,465
Sweden	3,619,179	4,485,660	4,783,346	4,424,106	5,187,383
South Korea	3,738,467	3,644,958	4,271,146	4,349,541	4,604,070
United Kingdom	4,246,019	4,494,884	4,537,105	4,082,971	4,210,307
Other Countries	51,315,748	54,488,629	57,298,641	50,153,210	52,787,070
Total	**128,999,148**	**133,434,686**	**141,245,950**	**127,599,640**	**135,036,741**
EXPORTS:					
China	18,211,620	19,539,377	20,984,231	19,737,723	20,131,384
Norway	8,898,196	10,367,544	10,802,761	9,187,704	10,770,007
Viet Nam	6,276,751	6,886,846	8,028,649	6,756,070	7,320,009
Thailand	8,132,389	7,057,194	6,633,959	5,677,394	5,892,629
United States	5,752,005	5,963,088	6,143,310	5,911,022	5,812,480
India	3,404,437	4,601,717	5,600,900	4,871,591	5,546,049
Chile	4,348,178	4,985,211	5,854,098	4,812,362	5,143,365
Canada	4,223,549	4,364,195	4,527,531	4,704,012	5,004,046
Denmark	4,147,122	4,664,309	4,764,274	4,269,659	4,696,072
Sweden	2,867,622	3,574,752	3,877,063	3,671,191	4,417,996
Other Countries	64,297,260	67,387,249	71,353,991	63,667,095	67,795,758
Total	**130,559,129**	**139,391,482**	**148,570,767**	**133,265,823**	**142,529,795**

NOTE: Data for 2012-2015 are revised and for 2016 are preliminary. Data on imports and exports cover the international trade of 205 countries or areas. Usually, exports are recorded at their free-on-board (FOB) value, while imports are recorded at their cost, insurance, and freight (CIF) value. Therefore, at the world level, the value of imports should be higher than that of exports. However, since 2011, this has not been the case. Work is underway to better understand the reasons for this anomalous trend.

The seven fishery commodity groups covered by this table are: 1. Fish-fresh, chilled or frozen; 2. Fish-dried, salted, or smoked; 3. Crustaceans and mollusks-fresh, dried, salted, etc.; 4. Fish products and preparations, whether or not in airtight containers; 5. Crustacean and mollusk products preparations, whether or not in airtight containers; 6. Oils and fats, crude or refined, of aquatic animal origin; and 7. Meals, solubles, and similar animal foodstuffs of aquatic animal origin.

Source:--Food and Agriculture Organization of the United Nations (FAO).

DISPOSITION OF WORLD AQUACULTURE AND COMMERCIAL CATCHES, 2012-2016

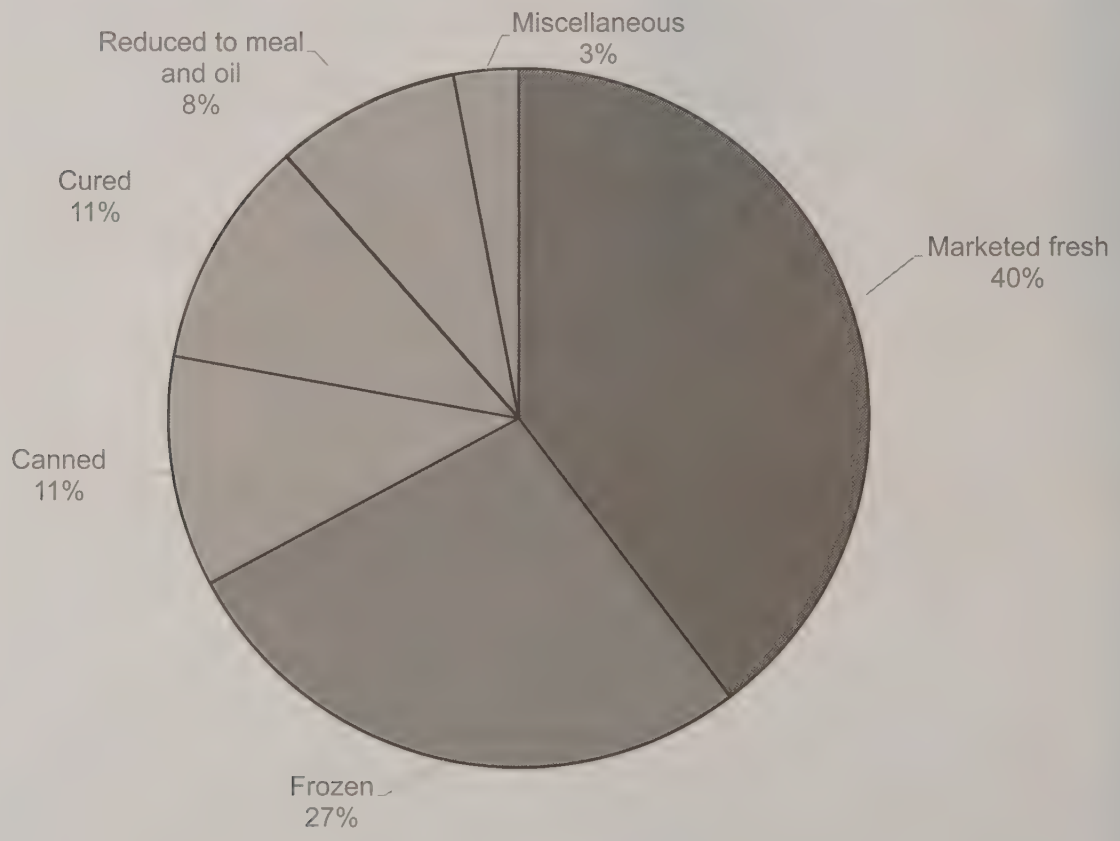
Item	2012	2013	2014	2015	2016
	Percent of Total				
Marketed fresh	40	40	40	40	40
Frozen	26	26	27	27	27
Canned	11	11	11	11	11
Cured	10	10	10	10	11
Reduced to meal and oil (1)	10	10	9	9	9
Miscellaneous purposes	3	3	3	3	3
Total	**100**	**100**	**100**	**100**	**100**

NOTE: Data for 2012-2015 are revised and are preliminary for 2016. Data for marine mammals and aquatic plants are excluded.

(1) Only whole fish destined for the manufacture of oils and meals are included. Raw material for reduction derived from fish primarily destined for marketing fresh, frozen, canned, cured, and miscellaneous purposes is excluded; such waste quantities are included under the other disposition channels.

Source: Food and Agriculture Organization of the United Nations (FAO).

Disposition of World Aquaculture and Commercial Catches, 2016



Processed Fishery Products

FRESH AND FROZEN

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 154 million pounds valued at $257.3 million compared with the 2016 production of 159 million pounds valued at $264.5 million. The total production of fish sticks amounted to 54.7 million pounds valued at $83.4 million. The total production of fish portions amounted to 99.2 million pounds valued at $173.9 million.

FISH FILLETS AND STEAKS. In 2017, the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 798.6 million pounds, 14.4 million pounds more than the 784.2 million pounds in 2016 due to increases in anglerfish, Atlantic Pollock, hake, and ocean perch fillets. There were also notable increases in bluefish, sea bass, and striped bass. All fillets and steaks were valued at $2.2 billion. Alaska pollock fillets and blocks continue to lead all species with 455 million pounds–a decrease from the 473 million pounds in 2016, and representing 57 percent of the total. Production of groundfish fillets and steaks (cod, hake, ocean perch, pollock, cusk, and haddock) was 606 million pounds, an increase of 5 million pounds from 2016.

BREADED SHRIMP. The production of breaded shrimp in 2017 was 84.2 million pounds valued at $342.2 million. This represents a decrease in value and volume from the 2016 production of 106 million pounds valued at $379.9 million.

CANNED PRODUCTS

CANNED FISHERY PRODUCTS. The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 881.9 million pounds valued at $1.4 billion—an increase in volume of 13.4 million pounds and $156.5 million dollars compared to 2016. The 2017 pack included 589.6 million pounds with a value of $1.2 billion for human consumption and 292.3 million pounds valued at $220.5 million for bait and animal food.

CANNED SALMON. The 2017 U.S. pack of salmon was 133.9 million pounds valued at $309.6 million, increases in volume and value from the 2016 levels of 52.0 million pounds and $141.9 million.

CANNED TUNA. The U.S. pack of tuna was 363.2 million pounds valued at $735.5 million—a decrease of 19.7 million pounds in volume and an increase of $36.1 million in value compared with the 2016 pack. The pack of albacore tuna was 141.4 million pounds comprising 38.9 percent of the tuna pack in 2017. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 221.8 million pounds.

CANNED CLAMS. The 2017 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 63.2 million pounds valued at $106.1 million. The pack of whole and minced clams was 35.4 million pounds. Clam chowder and clam juice was 27.8 million pounds and was surpassed by whole and minced clams in volume and value.

OTHER CANNED ITEMS. The pack of pet food and bait was 292.3 million pounds valued at $220.5 million—a slight increase in value for 2017.

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was $676 million—an increase of $110 million compared with the 2016 value.

FISH MEAL. The domestic production of fish and shellfish meal was 568.7 million pounds valued at $379.5 million, increases of 8.9 million pounds and $71.1 million compared with 2016. Most of this production was fishmeal (568.7 million pounds) while shellfish meal production was 0.39 million pounds—an increase of 58 thousand pounds from the 2016 level.

FISH OILS. The domestic production of fish oils was 112.2 million pounds (approximately 14.5 million gallons) valued at $108.2 million, a decrease of 65.2 million pounds and a $37.3 million increase in value compared with 2016 production.

OTHER INDUSTRIAL PRODUCTS. Oyster shell products, agar-agar, animal feeds, crab and clam shells processed for food serving, fish pellets, Irish moss extracts, kelp products, dry and liquid fertilizers, and mussel shell buttons were valued at $188.3 million.

METHODOLOGY:

The NMFS Annual Survey of U.S. Seafood Processors is the only comprehensive, national survey that focuses on the domestic seafood processing industry. The resulting data are reported in this section of Fisheries of the United States, as well as reports of the Food and Agriculture Organization of the United Nations (FAO), Fisheries Economics of the United States, and are used in commercial fisheries disposition calculations, annual per-capita consumption figures, and other reports.

The survey is voluntary in all regions except the Northeast. In the Northeast, it is mandatory for processors with a federal processing permit to provide the requested data.

The survey instrument is a paper form that asks for monthly employment figures, a list of product types, and the volume and value of each product processed in the previous year. Space is provided for the company to fill in new products. The survey forms are produced by the NMFS Office of Science and Technology and are mailed to five different regional contacts. Each region then proceeds slightly differently:

- Northeast – The distribution of forms to companies is overseen by a lead port agent. Other port agents assist with collecting information from the companies in their area. Dealer permits are not renewed if the processor has not provided the required data.
- Southeast and Gulf – Forms are distributed through the Southeast Fishery Science Center to the port agents along the coast who are then responsible for obtaining the data from the companies.
- Southwest and Northwest – Forms are distributed through, and returned to, the Pacific States Marine Fisheries Commission office under an agreement with NMFS.
- Pacific Islands – Forms are distributed and collected by Pacific Islands Regional Office staff.

The companies in the survey are those that have reported previously or have been found by research or word-of-mouth. Adding companies in order to have a more complete data frame is a constant goal throughout the year.

Forms are returned to the Office of Science and Technology for data entry. Follow up contact may be attempted to clarify data that is excluded or unclear. Because the survey is voluntary, we do not receive data from every company we contact. We employ various estimation and alternate data collection methods:

- Most Alaska data are obtained from the Alaska Fisheries Information Network (AKFIN).
- Data on Alaskan salmon processing come from the Alaska Department of Fish and Game.
- USDA reports provide data on rainbow trout processing and catfish data are estimated from USDA catfish production numbers.
- Data from the NOAA Seafood Inspection Program are used to estimate the data for companies that have not reported to the Survey of Fishery Processors but are included in the inspection program.
- Imputation is used to estimate the remaining missing companies.

VALUE OF PROCESSED FISHERY PRODUCTS, 2016 AND 2017

(Processed from domestic catch and imported products)

Item	2016 (1)		2017	
	Thousand dollars	Percent of total	Thousand dollars	Percent of total
Edible:				
Fresh and frozen	8,750,870	81	9,618,893	80
Canned	1,018,655	9	1,174,660	10
Cured	235,508	2	284,925	2
Total edible	**10,005,033**	**93**	**11,078,478**	**92**
Industrial:				
Bait and animal food	245,172	2	235,321	2
Meal and oil	379,280	4	487,649	4
Other	182,338	2	180,111	2
Total industrial	**806,789**	**7**	**903,081**	**8**
Grand total	**10,811,822**	**100**	**11,981,559**	**100**

Note: Value is based on selling price at the plant.
(1) Revised based on additional data.

U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 2008-2017

Year	Fish sticks			Fish portions			Breaded shrimp		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
2008	73,926	33,533	104,974	194,005	88,000	300,137	86,131	39,069	200,147
2009	82,461	37,404	120,615	204,491	92,757	310,213	74,172	33,644	159,416
2010	79,586	36,100	125,258	140,584	63,768	291,569	97,124	44,055	251,594
2011	74,451	33,771	113,069	141,849	64,342	277,466	116,935	53,041	562,928
2012	80,034	36,303	104,829	172,051	78,042	345,686	92,460	41,940	240,976
2013	58,214	26,406	87,430	151,721	68,820	259,504	79,740	36,170	193,837
2014	58,545	26,556	87,487	146,594	66,495	255,725	109,293	49,575	311,211
2015	66,289	30,068	96,217	152,633	69,234	281,833	107,929	48,956	379,688
2016	55,398	25,128	84,420	103,433	46,917	180,072	106,003	48,083	379,862
2017	54,698	24,811	83,417	99,191	44,993	173,883	84,235	38,209	342,183

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2016 AND 2017

Species	2016 (1)			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fillets:						
Amberjack	70	32	654	72	33	656
Anglerfish	343	156	2,193	1,098	498	5,011
Bluefish	63	29	291	168	76	489
Cobia	41	19	533	42	19	531
Cod	75,787	34,377	320,509	72,217	32,757	315,313
Cusk	5	2	21	11	5	60
Dolphinfish	3,762	1,706	21,442	2,766	1,255	16,242
Flounders	10,577	4,798	45,140	11,848	5,374	49,625
Groupers	851	386	11,351	1,195	542	15,057
Haddock	9,457	4,290	48,898	11,197	5,079	52,512
Hake	39,488	17,912	50,349	54,674	24,800	71,253
Halibut	4,615	2,093	39,356	4,672	2,119	42,091
Lingcod	265	120	1,468	157	71	761
Ocean perch:						
Atlantic	995	451	3,025	1,156	524	3,470
Pacific	796	361	2,544	1,400	635	3,039
Opah	201	91	770	187	85	1,858
Patagonian Toothfish	629	285	12,780	581	264	12,846
Pollock:						
Atlantic	949	430	3,563	9,927	4,503	15,868
Alaska	472,983	214,544	655,506	454,977	206,376	581,570
Rockfishes	2,361	1,071	7,309	2,869	1,301	8,556
Sablefish	181	82	2,080	255	116	4,013
Salmon	119,525	54,216	638,425	126,305	57,292	680,761
Sea bass	195	88	1,922	528	239	3,498
Sea trout	67	30	475	66	30	464
Shark	467	212	1,463	394	179	1,340
Snapper	1,309	594	12,353	1,319	598	12,480
Striped bass	199	90	2,059	378	171	3,167
Swordfish	2,653	1,203	24,736	2,585	1,173	22,798
Tilapia	7,913	3,589	25,454	6,932	3,144	23,299
Tuna	9,796	4,443	101,456	10,612	4,814	109,122
Wahoo	353	160	1,728	358	162	2,674
Wolffish	(2)	(2)	(2)	(2)	(2)	(2)
Yellowtail Jack	177	80	1,246	121		982
Unclassified	11,370	5,157	61,198	12,299	5,579	68,992
Total Fillet	**778,443**	**353,099**	**2,102,297**	**793,366**	**359,868**	**2,130,399**
Steaks:						
Halibut	595	270	6,651	603	274	6,742
Salmon	(2)	(2)	(2)	(2)	(2)	(2)
Swordfish	1,624	737	5,833	1,657	752	6,129
Tuna	843	382	8,208	933	423	9,149
Unclassified	2,706	1,227	9,145	2,028	920	8,317
Total Steaks	**5,768**	**2,616**	**29,837**	**5,221**	**2,368**	**30,337**
Grand total	**784,211**	**355,716**	**2,132,134**	**798,587**	**362,237**	**2,160,736**

(1) Revised based on additional data.
(2) Included in unclassified.
Note: Some fillet products were further processed into frozen blocks.

PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 2016 AND 2017

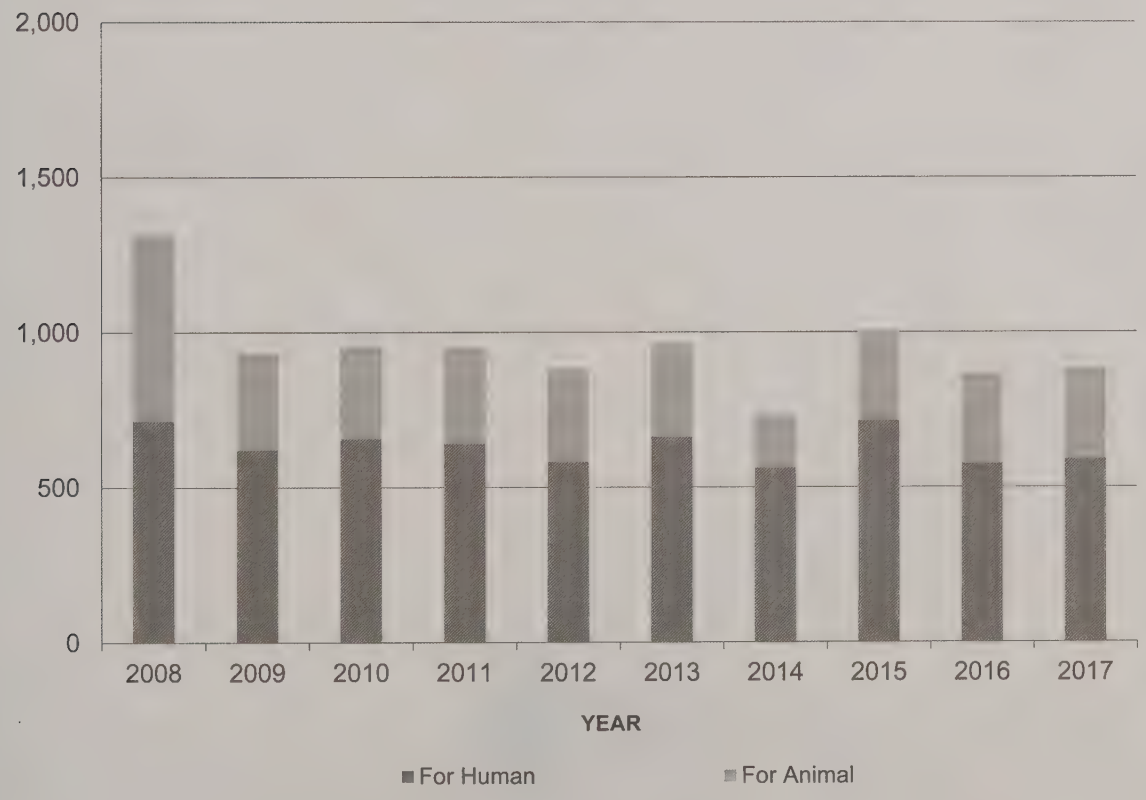
Species	Pounds per case	2016 (1)			2017		
		Standard cases	Thousand pounds	Thousand dollars	Standard cases	Thousand pounds	Thousand dollars
For human consumption:							
Fish:							
Herring	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Salmon:							
Chinook	44.25	136	6	72	113	5	58
Chum	44.25	19,299	854	798	14,395	637	1,036
Pink	44.25	508,768	22,513	49,822	1,806,960	79,958	162,237
Coho	44.25	4,475	198	334	651,119	28,812	60,459
Sockeye	44.25	643,141	28,459	90,840	552,904	24,466	85,802
Total salmon		**1,175,819**	**52,030**	**141,866**	**3,025,492**	**133,878**	**309,592**
Specialties	48	31,625	1,518	9,874	4,335	208	1,895
Sardines, Maine	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Tuna: (2)							
Albacore:							
Solid	18	6,498,889	116,980	299,289	6,505,889	117,106	302,634
Chunk	18	1,272,333	22,902	52,455	1,351,389	24,325	55,580
Total albacore		**7,771,222**	**139,882**	**351,744**	**7,857,278**	**141,431**	**358,214**
Lightmeat:							
Solid	18	966,889	17,404	38,288	989,889	17,818	42,752
Chunk	18	12,532,222	225,580	309,400	11,330,222	203,944	334,547
Total lightmeat		**13,499,111**	**242,984**	**347,688**	**12,320,111**	**221,762**	**377,299**
Total tuna		**21,270,333**	**382,866**	**699,432**	**20,177,389**	**363,193**	**735,513**
Specialties	48	83	4	55	42	2	25
Other	48	1,938	93	544	3,917	188	574
Total fish	–	**22,479,798**	**436,511**	**851,771**	**23,211,173**	**497,469**	**1,047,599**
Shellfish:							
Clam and clam products: (3)							
Whole and minced	15	2,463,800	36,957	81,151	2,358,133	35,372	79,939
Chowder and juice	30	2,685,967	80,579	64,154	927,300	27,819	26,137
Specialties	48	(5)	(5)	(5)	(5)	(5)	(5)
Total clams	–	**5,149,767**	**117,536**	**145,305**	**3,285,433**	**63,191**	**106,076**
Crab meat and specialties:	**20**	**9,231**	**180**	**689**	**7,795**	**152**	**598**
Oyster, specialties	48	(5)	(5)	(5)	(5)	(5)	(5)
Shrimp, natural (4)	6.75	(5)	(5)	(5)	(5)	(5)	(5)
Other	48	459,500	22,056	20,890	600,396	28,819	20,385
Total shellfish	–	**5,618,497**	**139,772**	**166,884**	**3,893,624**	**92,162**	**127,059**
Total for human consumption	–	**28,098,296**	**576,283**	**1,018,655**	**27,104,797**	**589,631**	**1,174,658**
For bait and animal food	**48**	**6,089,417**	**292,292**	**220,031**	**6,089,750**	**292,308**	**220,523**
Grand total	–	**34,187,712**	**868,575**	**1,238,686**	**33,194,547**	**881,939**	**1,395,181**

(1) Revised based on additional data.
(2) Flakes included with chunk.
(3) "Cut out" or "drained" weight of can contents are given for whole or minced clams and net contents for other clam products.
(4) Drained weight.
(5) Confidential included with "Other".

PRODUCTION OF CANNED FISHERY PRODUCTS, 2008-2017

Year	For human consumption			For animal food and bait			Total		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
2008	713,946	323,844	1,191,214	601,678	272,919	231,273	1,315,624	596,763	1,422,487
2009	621,256	281,800	1,190,067	312,887	141,925	217,699	934,143	423,724	1,407,766
2010	656,420	297,750	1,196,346	299,300	135,762	217,583	955,720	433,512	1,413,929
2011	640,917	290,588	1,251,332	305,906	138,209	224,953	946,823	429,476	1,476,285
2012	581,908	263,952	1,373,011	298,667	135,474	241,663	880,575	399,426	1,614,674
2013	662,435	300,478	1,533,585	301,659	135,477	246,336	964,094	437,310	1,779,921
2014	561,750	254,808	1,226,636	171,104	77,612	149,822	732,854	332,420	1,376,458
2015	713,912	323,828	1,303,371	289,414	131,277	216,256	1,003,326	455,106	1,519,627
2016	576,283	261,400	1,018,655	292,292	132,583	220,031	868,575	393,983	1,238,686
2017	589,631	267,455	1,174,658	292,308	132,590	220,523	881,939	400,045	1,395,181

Production of Canned Fishery Products, 2008-2017



PRODUCTION OF MEAL AND OIL, 2016 AND 2017

Product	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Dried scrap and meal:						
Fish	559,532	253,802	308,203	568,350	257,802	379,200
Shellfish	327	148	239	385	175	298
Total, scrap and meal	**559,859**	**253,950**	**308,442**	**568,735**	**257,977**	**379,498**
Body oil, total	**177,459**	**80,495**	**70,838**	**112,236**	**50,910**	**108,151**

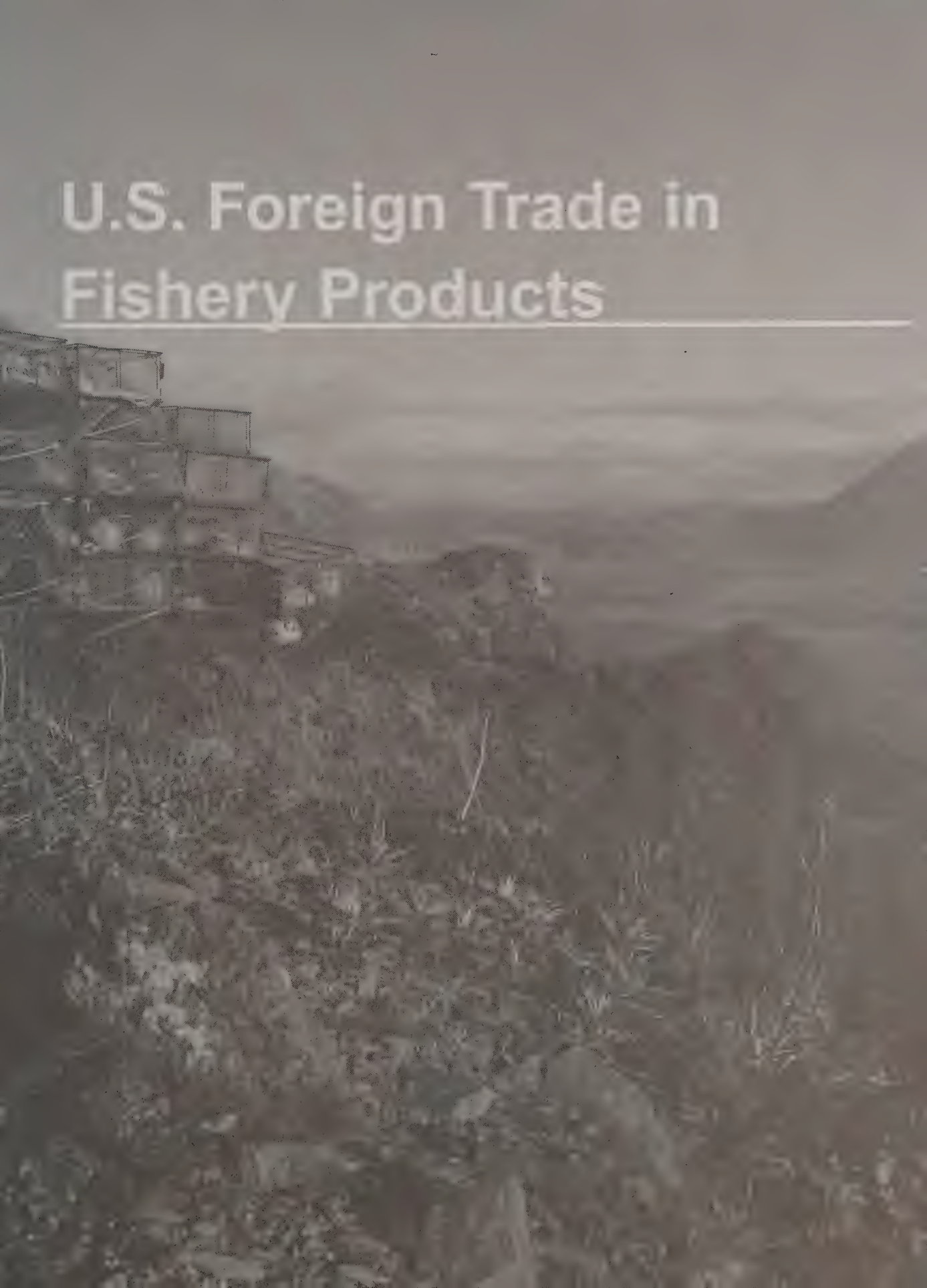
Note: To convert pounds of oil to gallons divide by 7.75.
The above data include products in American Samoa and Puerto Rico.

PRODUCTION OF INDUSTRIAL PRODUCTS, 2008-2017

Year	Scrap and Meal		Marine Animal Oil		Meal and Oil	Other Industrial Products	Grand Total
	Thousand pounds	Metric tons	Thousand pounds	Metric tons	-------Thousand dollars-------		
2008	492,828	223,545	190,023	86,194	245,240	64,631	309,871
2009	472,805	214,463	168,157	76,276	227,438	61,657	289,095
2010	487,692	221,216	136,362	61,853	218,937	64,040	282,977
2011	620,823	281,603	143,171	64,942	301,462	133,640	435,102
2012	585,565	265,611	115,090	52,204	335,188	162,341	497,529
2013	508,057	230,453	175,877	79,777	298,709	180,073	478,780
2014	515,000	233,602	139,005	63,052	384,700	206,251	590,951
2015	611,082	277,185	139,951	63,481	494,463	204,750	699,213
2016	559,859	253,950	177,459	80,495	379,280	186,693	565,973
2017	568,736	257,977	112,236	50,910	487,649	188,344	675,993

Note: Does not include the value of imported items that may be further processed.

U.S. Foreign Trade in Fishery Products



The data used in this section are from the U.S. Census Bureau Merchandise Trade Statistics for 2016 as revised on June 2, 2017 (FT900: U.S. International Trade in Goods and Services). Data for imports and exports are primarily compiled from records filed with U.S. Customs and Border Protection. Data for U.S. exports to Canada are based on import documents filed with Canadian agencies and forwarded to the U.S. Census Bureau. Estimates are made for low-value imports or exports by trading partner and are based on bilateral trade patterns. See http://www.census.gov/foreign-trade/index.html for more information.

IMPORTS

U.S. imports of edible fishery products in 2017 were 5.9 billion pounds, valued at $21.5 billion, an increase of 92.8 million pounds (1.6%) and $2.0 billion (10.4%) from 2016.

Edible imports consisted of 5.0 billion pounds of fresh and frozen products valued at $19.0 billion, 723.8 million pounds of canned products valued at $2.0 billion, 99.6 million pounds of cured products valued at $316.4 million, 6.6 million pounds of caviar and roe products valued at $52.9 million, and 87.9 million pounds of other products valued at $228.9 million.

The quantity of shrimp imported in 2017 was 1.5 billion pounds, 133.6 million pounds more than the quantity imported in 2016. Valued at $6.5 billion, shrimp imports accounted for 30.4 percent of the value of total edible imports. Imports of fresh and frozen salmon, including fillets, were 777.1 million pounds valued at $3.5 billion in 2017. Imports of fresh and frozen tuna, including steaks, were 331.8 million pounds, 43.7 million pounds less than the 375.4 million pounds imported in 2016. Imports of canned tuna were 311.9 million pounds, a 19.6 million pounds increase over 2016. Imports of fresh and frozen fillets and steaks amounted to 1.6 billion pounds, decreasing 37.4 million pounds from 2016. Fish meat imports were 56.8 million pounds valued at $221.0. Regular block imports were 65.8 million pounds, a decrease of 14.9 million pounds from 2016.

Imports of nonedible fishery products were valued at $16.9 billion, an increase of $473.9 million compared with 2016. The total value of edible and nonedible fishery imports was $38.4 billion in 2017, $2.5 billion more than in 2016.

EXPORTS

U.S. exports of edible fishery products were 3.2 billion pounds valued at $5.7 billion, an increase of 269.9 million pounds (9.2%) from 2016. Value increased $345.9 million (6.4%). Fresh and frozen exports were 3.0 billion pounds valued at $5.0 billion, a increase of 271.2 million pounds (10.0%) and a increase of $301.0 million (6.4%) compared with 2016. In terms of individual items, fresh and frozen exports consisted principally of 498.1 million pounds of salmon valued at $1.0 billion, 443.9 million pounds of surimi valued at $459.8 million, and 109.5 million pounds of lobsters valued at $683.8 million.

Canned items were 108.7 million pounds valued at $251.0 million. Salmon was the major canned item exported, with 82.1 million pounds valued at $249.0 million. Cured items were 4.2 million pounds valued at $15.1 million. Caviar and roe exports were 94.7 million pounds valued at $438.5 million.

Exports of nonedible products were valued at $23.2 billion, an increase of $638.2 million when compared with 2016 (2.8%). Exports of fish meal amounted to 346.0 million pounds valued at $181.7 million. The total value of edible and nonedible exports was $29.0 billion, an increase of $984.1 (3.5%) compared with 2016.

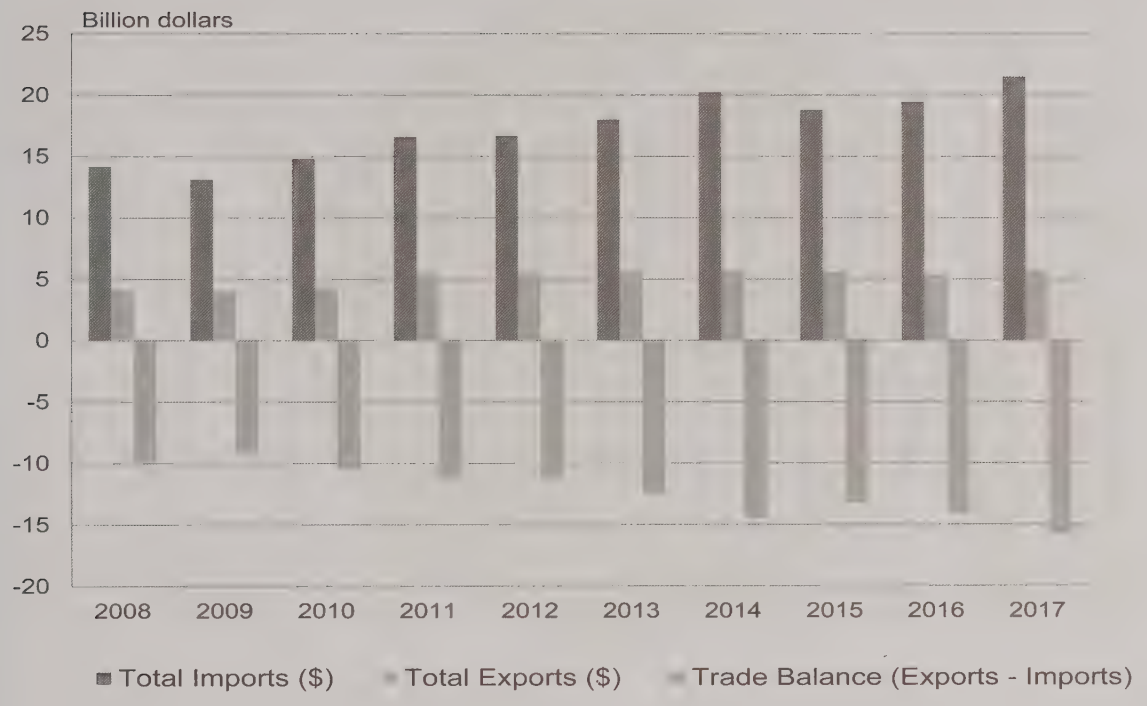
DATA NOTES

The weights reported in this section are of individual products as imported or exported, i.e., fillets, steaks, whole, headed, etc. The reported import value is value of the product as appraised by the U.S. Customs Service. This value may be based on foreign market value, constructed value, American selling price, etc. It generally represents a value in a foreign country and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise to the United States.

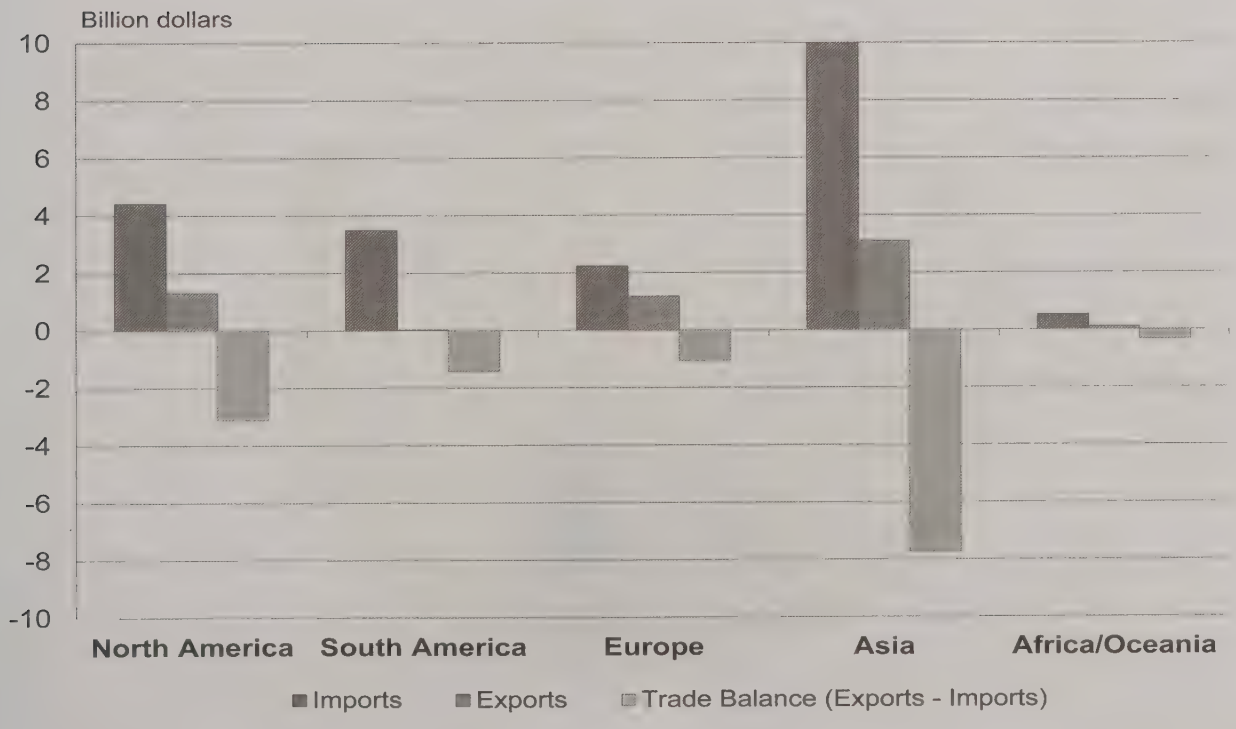
The export value is generally equivalent to the free alongside ship (f.a.s.) value at the U.S. port of export based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. The value excludes the cost of loading, freight, insurance, and other charges or transportation costs beyond the port of exportation.

Re-exports are commodities that have entered the country as imports and are subsequently exported in substantially the same condition as when originally imported. These are also referred to as foreign exports.

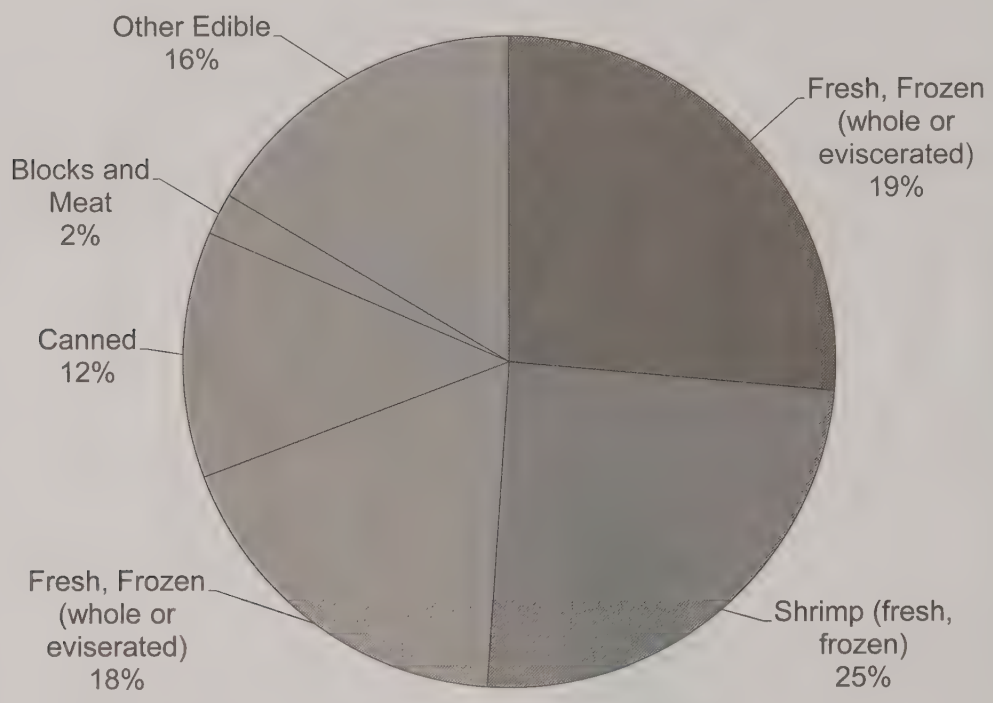
U.S. Trade Balance in Edible Fishery Products, 2008-2017



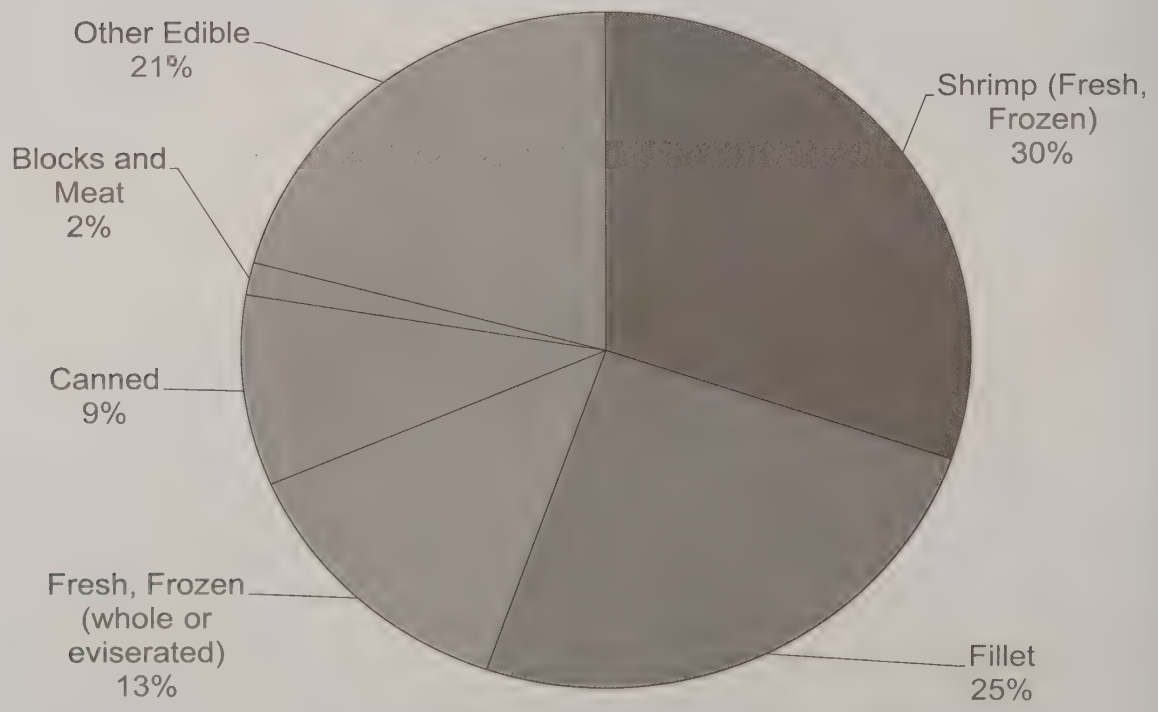
U.S. Trade in Edible Fishery Products, 2017



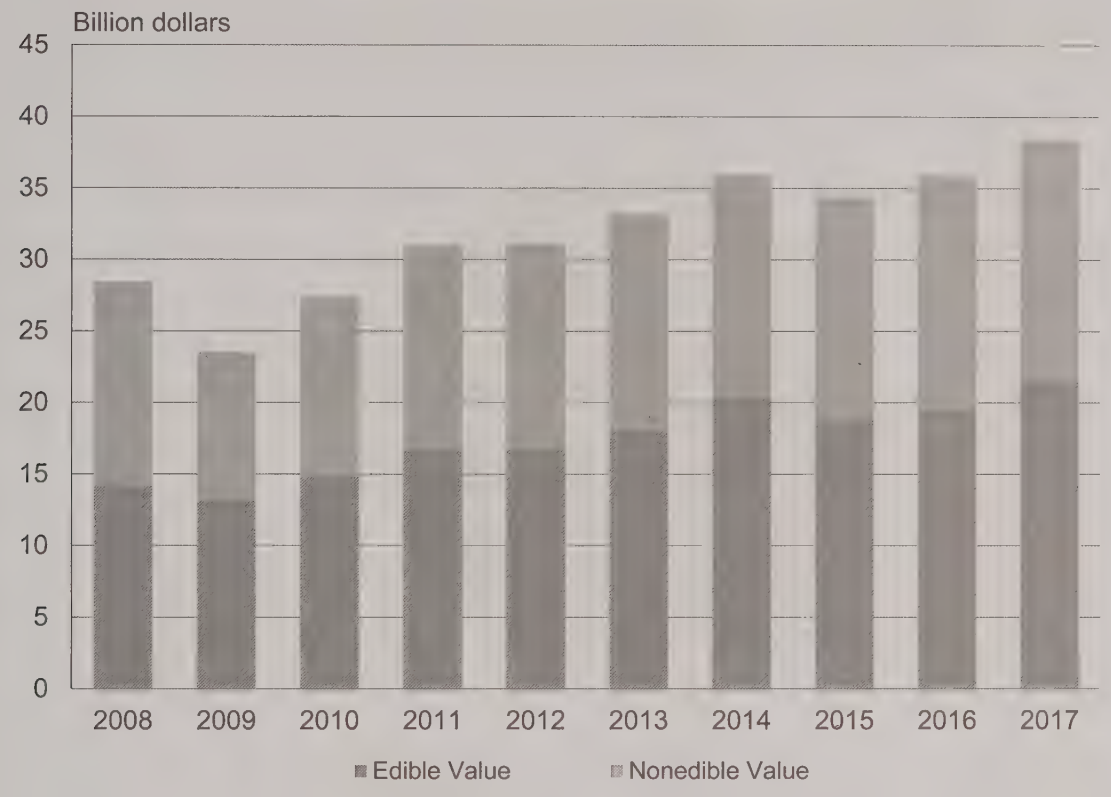
U.S. Imports of Edible Products, Product Type by Volume, 2017



U.S. Imports of Edible Products, Product Type by Value, 2017



U.S. Fishery Products Imports, 2008-2017

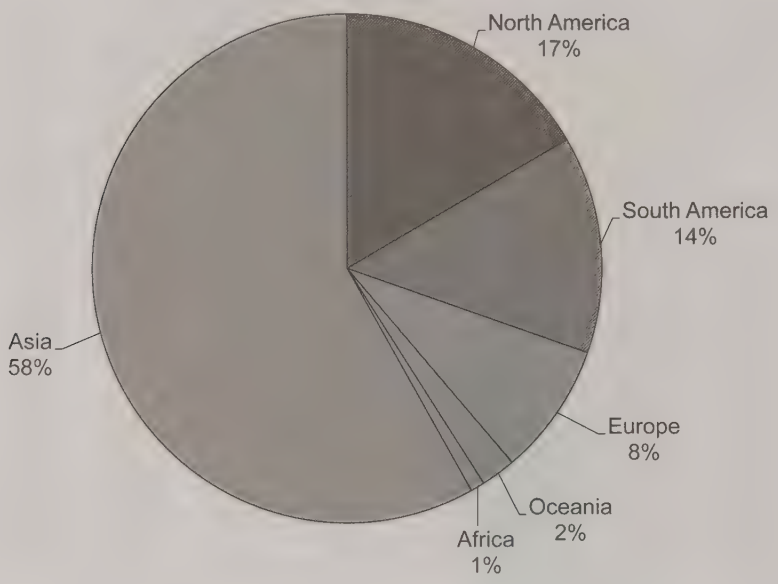


EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 2007-2017

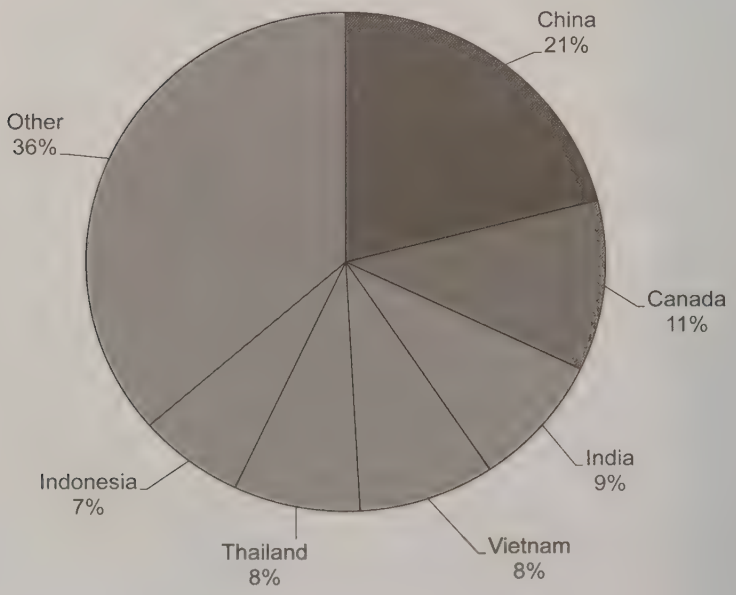
Year	Edible			Nonedible	Total
	Thousand pounds	Metric tons	Thousand dollars		
2008	5,225,960	2,370,480	14,170,848	14,285,768	28,456,616
2009	5,161,513	2,341,247	13,124,170	10,430,117	23,554,288
2010	5,447,135	2,470,804	14,810,857	12,541,650	27,352,507
2011	5,349,471	2,426,504	16,617,625	14,325,656	30,943,281
2012	5,383,538	2,441,957	16,689,567	14,417,370	31,106,937
2013	5,415,289	2,456,359	18,006,248	15,149,527	33,155,775
2014	5,566,746	2,525,059	20,264,457	15,650,387	35,914,844
2015	5,736,548	2,602,081	18,790,837	15,609,379	34,400,216
2016	5,827,096	2,643,153	19,485,828	16,389,160	35,874,988
2017	**5,919,919**	**2,685,257**	**21,520,241**	**16,863,035**	**38,383,276**

Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Imports of Edible Fishery Products from Major Areas, 2017, by Volume



U.S. Imports of Edible Fishery Products from Major Exporters, 2017, by Volume



FISHERY PRODUCTS IMPORTS, BY PRINCIPAL ITEMS, 2016 AND 2017

Item	2016			2017		
Edible fishery products:	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fresh and frozen:						
Whole or eviscerated:						
Freshwater	140,306	63,642	183,523	124,862	56,637	160,573
Flatfish	26,737	12,128	128,727	26,384	11,968	128,376
Groundfish	49,319	22,371	69,388	48,141	21,836	74,002
Salmon	283,985	128,815	971,272	299,246	135,737	1,072,389
Tuna (1)	304,452	138,098	652,381	257,986	117,022	653,317
Other	310,524	140,853	734,486	319,511	144,929	753,745
Fillets and steaks:						
Freshwater	674,916	306,140	1,246,843	596,100	270,389	1,169,561
Flatfish	44,548	20,207	124,928	45,727	20,742	130,136
Groundfish	241,610	109,593	602,070	249,700	113,263	653,723
Salmon	449,959	204,100	2,022,362	477,864	216,758	2,438,160
Other	191,790	86,995	907,270	196,063	88,933	1,009,712
Meat whether or not minced:	51,224	23,235	187,081	56,777	25,754	220,971
Blocks and slabs	80,739	36,623	144,291	65,794	29,844	113,468
Surimi	2,179	988	2,137	2,476	1,123	2,489
Crabs	160,526	72,814	1,023,571	159,096	72,165	1,197,501
Crabmeat	14,166	6,426	83,631	13,977	6,340	93,747
Lobster:						
American	95,853	43,479	837,383	94,419	42,828	827,886
Spiny	17,317	7,855	187,349	17,053	7,735	211,707
Shrimp	1,327,392	602,101	5,673,502	1,460,509	662,482	6,510,158
Scallops (meats)	49,432	22,422	322,837	39,438	17,889	258,427
Squid	144,437	65,516	268,866	140,450	63,708	319,163
Other fish and shellfish	279,153	126,623	903,460	310,351	140,774	960,617
Total, fresh and frozen	**4,940,564**	**2,241,025**	**17,277,356**	**5,001,922**	**2,268,857**	**18,959,830**
Canned:						
Anchovy	5,666	2,570	29,032	5,770	2,617	28,696
Herring	6,998	3,174	12,350	5,934	2,692	11,577
Mackerel	26,240	11,902	32,744	28,807	13,067	34,998
Salmon	18,916	8,580	58,883	21,758	9,869	77,354
Sardines	70,475	31,967	117,901	82,135	37,256	132,337
Tuna	292,322	132,596	524,373	311,925	141,488	632,650
Clams	19,504	8,847	20,653	18,514	8,398	20,632
Crabmeat	62,309	28,263	481,912	64,627	29,315	647,137
Lobsters	835	379	4,006	699	317	2,696
Oysters	11,617	5,269	32,729	12,164	5,517	34,211
Shrimp	3,143	1,426	23,404	3,582	1,625	27,197
Balls, cakes, and puddings	46,044	20,886	81,706	40,066	18,174	76,448
Other fish and shellfish	124,667	56,548	207,401	127,858	57,996	236,325
Total, canned	**688,736**	**312,408**	**1,627,093**	**723,838**	**328,331**	**1,962,259**
Cured:						
Dried	9,647	4,376	37,100	8,999	4,082	35,795
Pickled or salted	61,671	27,974	104,277	63,082	28,614	110,103
Smoked or kippered	29,872	13,550	172,618	27,533	12,489	170,487
Total, cured	**101,190**	**45,899**	**313,995**	**99,613**	**45,184**	**316,385**
Caviar and roe	7,061	3,203	49,448	6,624	3,005	52,868
Edible seaweed and algae	18,070	8,196	52,186	16,710	7,580	54,277
Prepared meals	10,307	4,675	26,547	10,424	4,728	26,699
Other fish and shellfish	61,169	27,746	139,203	60,786	27,573	147,923
Total edible products	**5,827,097**	**2,643,154**	**19,485,828**	**5,919,919**	**2,685,258**	**21,520,241**
Nonedible products:						
Meal and scrap	120,517	54,666	103,115	138,056	62,622	111,845
Fish oils	46,746	21,204	114,669	51,016	23,141	128,836
Other	-	-	16,171,377	-	-	16,622,353
Total nonedible products	**-**	**-**	**16,389,160**	**-**	**-**	**16,863,035**
Grand total	**-**	**-**	**35,874,988**	**-**	**-**	**38,383,276**

(1) Includes loins and discs.

Note: Data include imports into the United States and Puerto Rico and landings of tuna by foreign vessels at American Samoa. Statistics on imports are the weight of individual products as exported; i.e., fillets, steaks, headed, etc. Imports and Exports of Fishery Products, Annual Summary, 2017, Current Fishery Statistics No. 2017-2 provides additional information.

Source: U.S. Department of Commerce, U.S. Census Bureau.

EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 2017

Continent and Country	Edible			Nonedible	Total
	Thousand pounds	Metric Tons	Thousand dollars	Thousand dollars	Thousand dollars
North America:					
Canada	652,290	295,877	3,249,110	1,201,977	4,451,086
Mexico	169,661	76,958	626,789	440,747	1,067,536
Dominican Republic	387	175	4,695	188,877	193,573
Honduras	34,893	15,827	132,013	21	132,033
Panama	22,651	10,275	89,313	7,039	96,352
Other	81,937	37,166	322,471	31,931	354,402
Total	**961,818**	**436,278**	**4,424,390**	**1,870,592**	**6,294,982**
South America:					
Chile	368,131	166,983	1,851,054	109,901	1,960,955
Ecuador	243,137	110,286	799,142	9,068	808,210
Argentina	66,721	30,265	255,869	48,790	304,659
Peru	51,487	23,354	212,383	82,696	295,078
Brazil	26,883	12,194	104,560	155,552	260,112
Other	78,726	35,710	272,352	116,863	389,215
Total	**835,085**	**378,792**	**3,495,359**	**522,869**	**4,018,229**
Europe:					
European Union:					
France	4,559	2,068	18,663	2,168,505	2,187,168
Italy	3,163	1,435	11,151	1,274,204	1,285,355
United Kingdom	38,312	17,378	156,098	629,946	786,044
Germany	17,359	7,874	100,127	522,472	622,599
Spain	38,786	17,593	148,864	350,449	499,313
Other	61,875	28,066	217,308	460,056	677,365
Total	**164,053**	**74,414**	**652,211**	**5,405,632**	**6,057,843**
Other:					
Norway	176,692	80,147	746,550	110,772	857,322
Russian Federation	61,931	28,092	468,985	2,921	471,905
Switzerland	47	21	228	451,054	451,282
Turkey	9,045	4,103	37,331	305,296	342,626
Iceland	50,744	23,017	203,850	18,095	221,945
Other	32,742	14,852	129,922	17,962	147,884
Total	**331,201**	**150,232**	**1,586,865**	**906,099**	**2,492,964**
Asia:					
China	1,245,409	564,914	2,714,177	2,306,417	5,020,595
India	508,478	230,644	2,279,265	1,833,411	4,112,675
Thailand	467,254	211,945	1,433,390	1,095,089	2,528,479
Indonesia	392,104	177,857	1,845,311	388,966	2,234,276
Vietnam	502,254	227,821	1,390,522	98,677	1,489,199
Other	334,484	151,721	1,177,099	2,142,205	3,319,303
Total	**3,449,983**	**1,564,902**	**10,839,763**	**7,864,764**	**18,704,527**
Oceania:					
New Zealand	49,654	22,523	151,891	38,295	190,186
Australia	7,453	3,381	56,413	70,576	126,990
Fiji	31,906	14,473	81,635	795	82,431
French Polynesia	1,727	783	7,606	11,693	19,299
Kiribati	14,763	6,696	14,646	957	15,603
Other	11,813	5,359	21,158	1,701	22,860
Total	**117,317**	**53,215**	**333,350**	**124,018**	**457,367**
Africa:					
South Africa	3,777	1,713	33,404	138,019	171,423
Morocco	25,438	11,538	54,364	8,276	62.640
Mauritius	14,478	6,567	37,245	2,127	39,371
Reunion	1,438	652	14,166	-	14,166
St.Helena	875	397	12,911	2	12,913
Other	14,456	6,557	36,212	20,637	56,849
Total	**60,460**	**27,425**	**188,302**	**169,061**	**357,363**
Grand total	**5,919,919**	**2,685,258**	**21,520,241**	**16,863,035**	**38,383,276**

Source: U.S. Department of Commerce, U.S. Census Bureau.

REGULAR FISH BLOCKS AND MEAT IMPORTS, BY SPECIES AND TYPE, 2016 AND 2017

Species and Type	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Regular blocks and slabs:						
Freshwater	2,033	922	3,759	697	316	2,104
Flatfish	4,672	2,119	7,695	4,928	2,235	8,933
Groundfish						
Cod	9,038	4,100	16,030	8,250	3,742	15,518
Ocean Perch	888	403	1,501	477	216	861
Pollock	33,701	15,287	36,835	27,340	12,401	27,410
Whiting	8,512	3,861	13,017	5,936	2,692	9,336
Other groundfish	5,709	2,590	10,946	7,271	3,298	13,819
Total groundfish	57,848	26,239	78,329	49,273	22,350	66,942
Other regular blocks	16,186	7,342	54,509	10,896	4,942	35,488
Total Regular Blocks	**80,739**	**36,623**	**144,291**	**65,794**	**29,844**	**113,468**
Meat whether or not minced:						
Freshwater	4,320	1,960	14,849	6,147	2,788	11,094
Flatfish	443	201	1,285	656	298	1,364
Groundfish	14,101	6,396	50,545	18,570	8,423	70,735
Other	32,359	14,678	120,402	31,403	14,245	137,777
Total Meat	**51,224**	**23,235**	**187,081**	**56,777**	**25,754**	**220,971**
Total Blocks and Meat	**131,963**	**59,858**	**331,372**	**122,570**	**55,598**	**334,439**

Source: U.S. Department of Commerce, U.S. Census Bureau.

REGULAR FISH BLOCKS AND MEAT IMPORTS, BY COUNTRY OF ORIGIN, 2016 AND 2017

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
China	62,328	28,272	85,960	55,917	25,364	78,286
Norway	8,333	3,780	34,403	9,156	4,153	48,795
South Korea	809	367	8,948	1,739	789	24,530
Argentina	8,080	3,665	26,082	6,625	3,005	23,790
Iceland	5,783	2,623	23,004	6,071	2,754	23,310
Indonesia	8,527	3,868	13,741	6,563	2,977	14,814
Chile	5,902	2,677	33,040	1,757	797	14,139
Canada	10,207	4,630	19,766	10,485	4,756	13,977
Australia	1,056	479	13,487	732	332	9,908
Other	20,937	9,497	72,941	23,524	10,671	82,890
Total	**131,963**	**59,858**	**331,372**	**122,570**	**55,598**	**334,439**

Source: U.S. Department of Commerce, U.S. Census Bureau.

GROUNDFISH FILLET AND STEAK IMPORTS, BY SPECIES, 2016 AND 2017 (1)

Species	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Cod	123,478	56,009	380,666	130,325	59,115	424,323
Cusk	-	-	-	14	7	29
Haddock	36,003	16,331	105,366	38,763	17,583	117,544
Hake	3,476	1,577	5,447	5,531	2,509	8,121
Ocean perch	5,420	2,458	10,976	6,259	2,839	12,571
Pollock	35,214	15,973	42,079	28,077	12,736	33,172
Other	38,020	17,246	57,536	40,730	18,475	57,963
Total	**241,610**	**109,593**	**602,070**	**249,700**	**113,263**	**653,723**

(1) Does not include data on fish blocks and slabs

Source: U.S. Department of Commerce, U.S. Census Bureau.

CANNED TUNA NOT IN OIL, QUOTA AND IMPORTS, 2008-2017

Year	Quota (1)		Over Quota (2)		Total	
	Thousand pounds	Metric tons	Thousand pounds	Metric tons	Thousand pounds	Metric tons
2008	38,951	17,668	303,915	137,855	342,866	155,523
2009	40,690	18,457	329,200	149,324	369,890	167,781
2010	36,043	16,349	370,796	168,192	406,839	184,541
2011	40,011	18,149	345,514	156,724	385,525	174,873
2012	36,667	16,632	384,969	174,621	421,636	191,253
2013	34,334	15,574	384,398	174,362	418,733	189,936
2014	34,905	15,833	384,533	174,423	419,438	190,256
2015	34,771	15,772	444,344	201,553	479,115	217,325
2016	26,852	12,180	460,270	208,777	487,122	220,957
2017	33,843	15,351	6,303	2,859	40,146	18,210

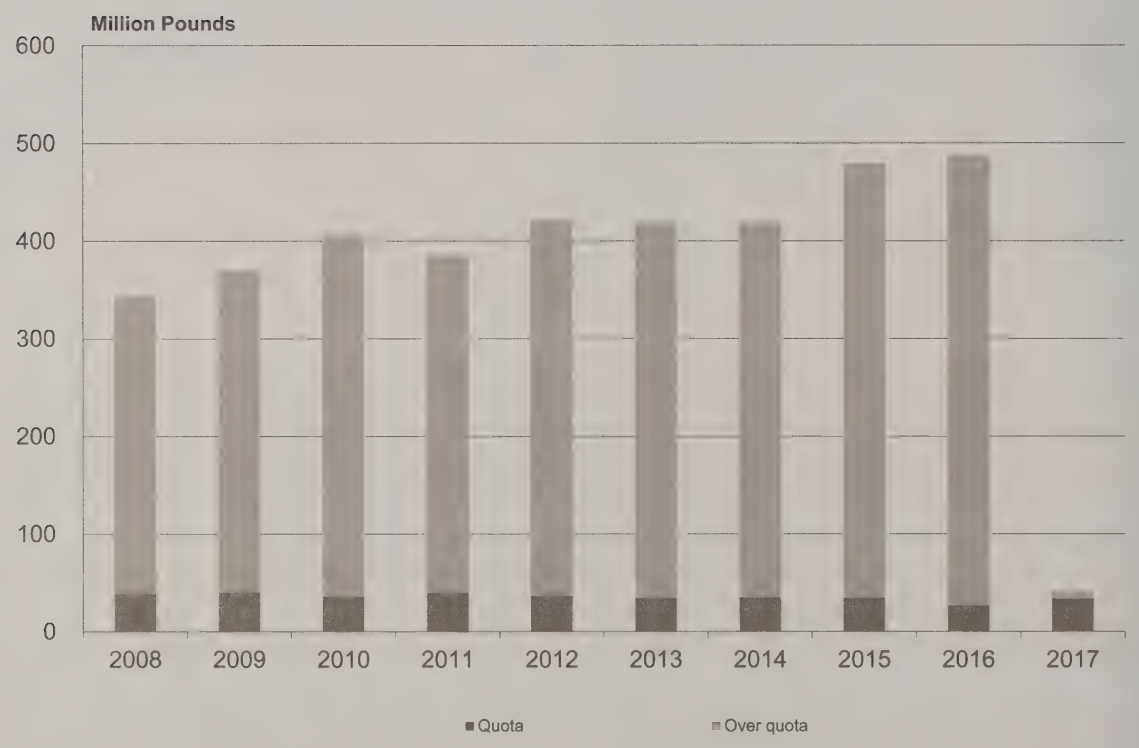
(1) Imports have been subject to tariff rate quotas since April 14, 1956. Dutiable in 1956 to 1967 at 12.5 percent ad valorem; 1968, 11 percent; 1969, 10 percent; 1970, 8.5 percent; 1971, 7 percent; and 1972 to present, 6 percent.

(2) Dutiable in 1972 to present, 12.5 percent.

Source: U.S. Department of Homeland Security, U.S. Customs and Border Protection.

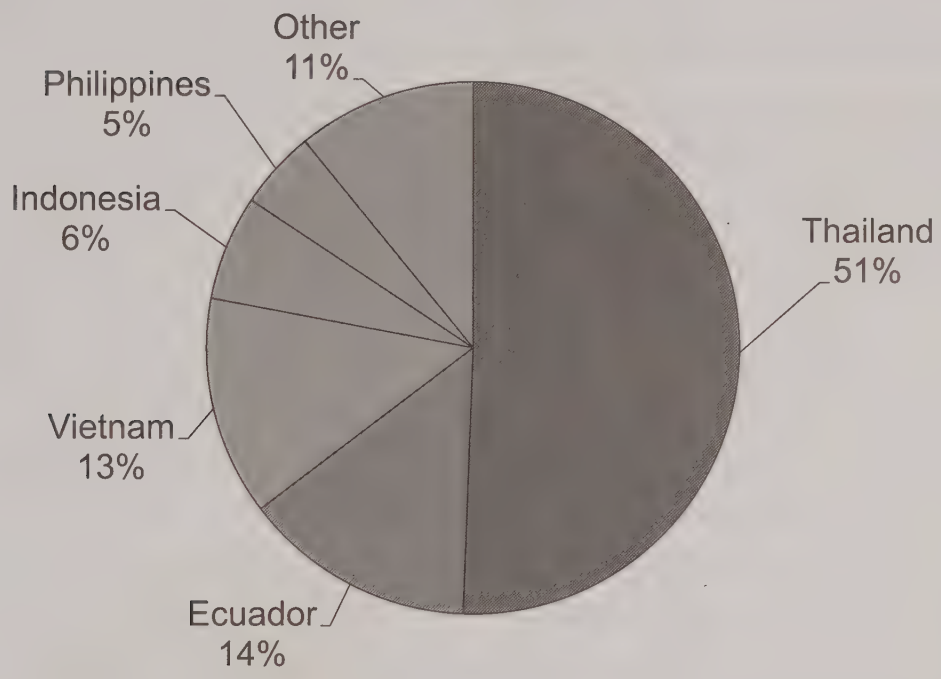
Note: Because data in this table are from a different source, this table will not agree with tuna import data released by the U.S. Department of Commerce, U.S. Census Bureau, used elsewhere in this report.

Canned Tuna Quota and Imports, 2008-2017



Source: U.S. Department of Homeland Security, U.S. Customs and Border Protection.

Imports of Canned Tuna by Major Exporter, 2017 by Volume



CANNED TUNA, BY COUNTRY OF ORIGIN, 2016 AND 2017

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Thailand	144,990	65,767	247,489	157,794	71,575	308,941
Ecuador	38,431	17,432	90,978	43,902	19,914	109,741
Vietnam	42,580	19,314	73,472	41,524	18,835	88,071
Indonesia	20,152	9,141	35,351	19,874	9,015	36,849
Philippines	18,860	8,555	30,331	14,901	6,759	28,864
Mexico	13,051	5,920	20,029	15,150	6,872	24,860
China	6,850	3,107	11,604	6,495	2,946	11,748
Costa Rica	2,787	1,264	4,741	5,333	2,419	6,627
Senegal	-	-	-	1,510	685	4,972
Other	4,622	2,096	10,378	5,442	2,468	11,977
Total	**292,322**	**132,596**	**524,373**	**311,925**	**141,488**	**632,650**

Source: U.S. Department of Commerce, U.S. Census Bureau.

SHRIMP IMPORTS, BY COUNTRY OF ORIGIN, 2016 AND 2017

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
North America:						
Mexico	55,829	25,324	294,796	62,917	28,539	337,137
Honduras	8,040	3,647	26,718	12,454	5,649	41,562
Panama	6,759	3,066	32,889	5,811	2,636	29,495
Guatemala	6,334	2,873	27,718	6,208	2,816	27,368
Canada	8,646	3,922	31,220	3,973	1,802	24,585
Nicaragua	5,505	2,497	16,421	4,050	1,837	13,378
Belize	467	212	2,567	225	102	1,248
Costa Rica	157	71	843	165	75	809
El Salvador	55	25	349	68	31	385
Greenland	4	2	54	21	21	126
Other	2	1	5	25	0	1
Total	**91,800**	**41,640**	**433,580**	**95,918**	**43,508**	**476,094**
South America:						
Ecuador	161,214	73,126	584,051	158,264	71,788	573,280
Argentina	17,050	7,734	69,554	27,672	12,552	120,673
Peru	20,968	9,511	82,978	21,936	9,950	90,550
Guyana	18,505	8,394	51,575	20,479	9,289	56,427
Venezuela	6,400	2,903	16,591	4,577	2,076	12,699
Suriname	1,045	474	3,063	836	379	2,698
Colombia	97	44	604	192	87	1,538
Chile	265	120	1,547	223	101	1,294
Brazil	18	8	238	0		
Total	**225,561**	**102,314**	**810,201**	**234,177**	**106,222**	**859,159**
Europe:						
European Union:						
Spain	152	69	839	267	121	1,234
Portugal	57	26	443	42	19	466
Denmark	183	83	872	99	45	432
Italy	-	-	6	35	16	175
Cyprus	42	19	133	-	-	4
Other	-	-	10	-	-	228
Total	**434**	**197**	**2,303**	**485**	**220**	**2,539**
Other Europe:						
Iceland	-	-	-	77	35	333
Norway	35	16	116	42	19	201
Russian Federation	**2**	**1**	**12**	**-**	**-**	**-**
Total	434	197	2,303	485	220	2,539
Asia:						
India	339,396	153,949	1,497,513	471,743	213,981	2,170,547
Indonesia	258,143	117,093	1,107,736	260,268	118,057	1,185,905
Thailand	178,925	81,160	819,225	164,293	74,523	808,190
Vietnam	139,765	63,397	683,595	122,981	55,784	631,943
China	76,683	34,783	232,949	101,326	45,961	334,112
Philippines	4,758	2,158	16,597	5,644	2,560	20,743
Bangladesh	9,043	4,102	61,455	2,853	1,294	19,535
Pakistan	575	261	8,010	505	229	7,393
Burma	384	174	2,742	659	299	4,551
Saudi Arabia	2,271	1,030	7,453	-	-	-
Other	**2,198**	**2,027**	**15,376**	**2,526**	**1,146**	**10,339**
Total	**1,012,141**	**459,104**	**4,445,198**	**1,132,798**	**513,834**	**5,193,258**
Oceania	157	71	1,103	267	121	1,739
Africa	401	182	4,393	328	149	4,034
Grand Total	1,330,928	603,508	5,696,778	1,463,974	664,055	6,536,822

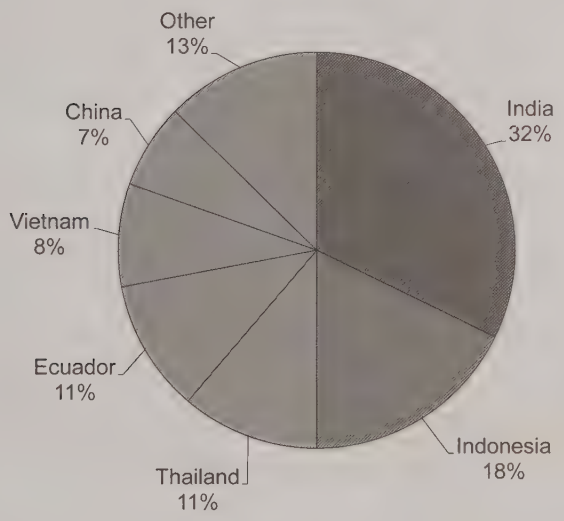
Note: Statistics on imports are the weights of the individual products as received; i.e., raw, headless, peeled, etc.
Source: U.S. Department of Commerce, U.S. Census Bureau.

SHRIMP IMPORTS, BY TYPE OF PRODUCT, 2016 AND 2017

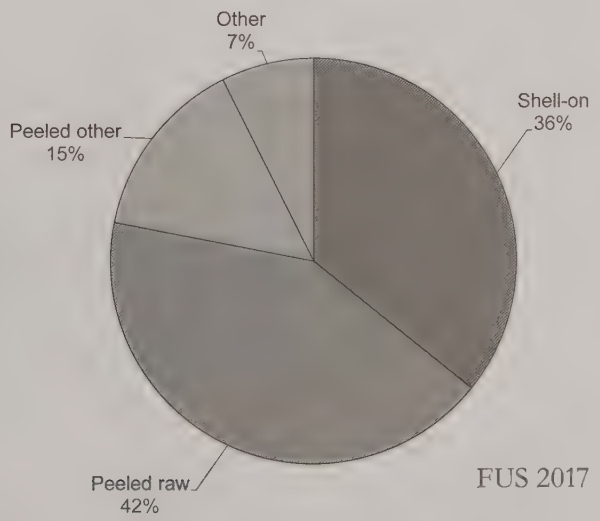
Type of product	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Shell-on (heads off)	512,216	232,340	2,160,598	524,207	237,779	2,304,697
Peeled:						
Canned	3,143	1,426	23,404	3,582	1,625	27,197
Not breaded:						
Raw	535,177	242,755	2,317,866	619,067	280,807	2,775,863
Other	182,671	82,859	885,802	212,718	96,488	1,089,850
Breaded	97,328	44,148	309,236	104,517	47,409	339,748
Total	**1,330,537**	**603,527**	**5,696,905**	**1,464,091**	**664,107**	**6,537,356**

Source: U.S. Department of Commerce, U.S. Census Bureau.

Shrimp Imports by Major Exporter, 2017, by Volume



Shrimp Imports by Type, 2017, by Volume

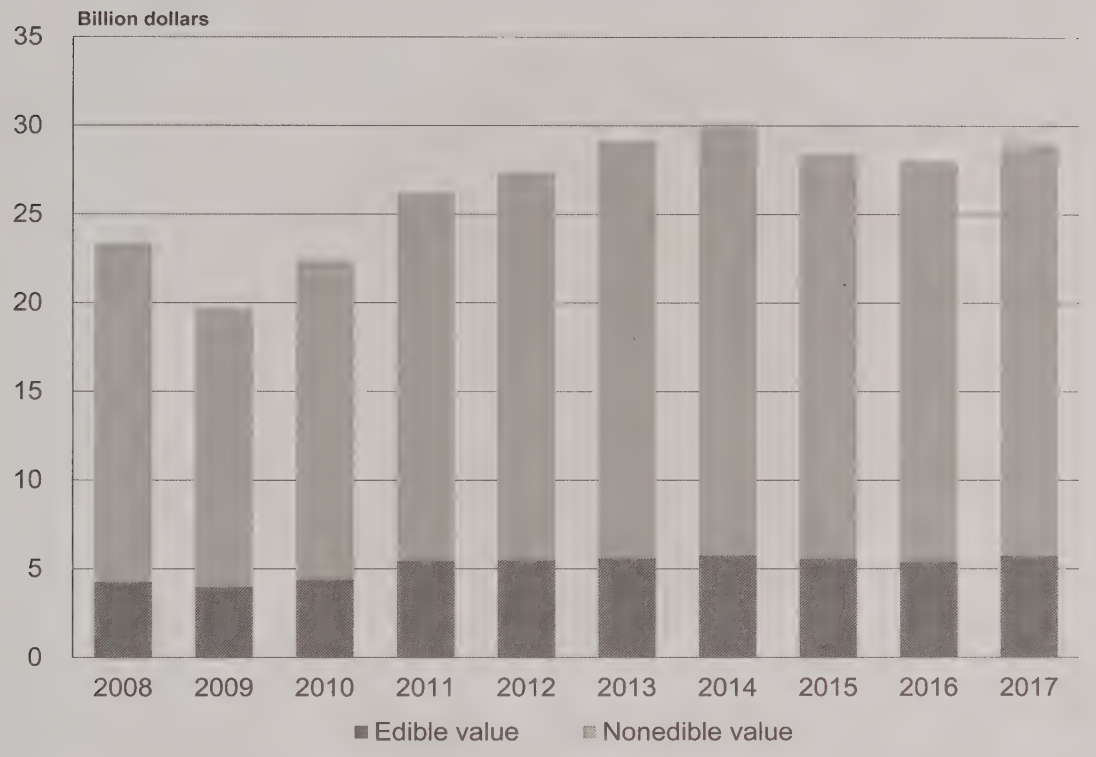


FISH MEAL AND SCRAP IMPORTS, BY COUNTRY OF ORIGIN, 2016 AND 2017

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Chile	63,111	28,627	61,490	61,987	28,117	59,012
Mexico	12,037	5,460	7,094	19,546	8,866	12,114
Norway	9,140	4,146	6,876	12,846	5,827	8,676
Canada	6,909	3,134	5,990	9,645	4,375	7,593
Argentina	6,907	3,133	3,335	11,329	5,139	5,464
France	4,473	2,029	4,340	4,837	2,194	4,422
Peru	2,385	1,082	1,871	3,845	1,744	3,839
Denmark	5,472	2,482	4,944	2,568	1,165	2,056
Spain	811	368	680	2,092	949	1,629
Other	9,270	4,205	6,495	9,361	4,246	7,040
Total	**120,517**	**54,666**	**103,115**	**138,056**	**62,622**	**111,845**

Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Fishery Product Exports, 2008-2017

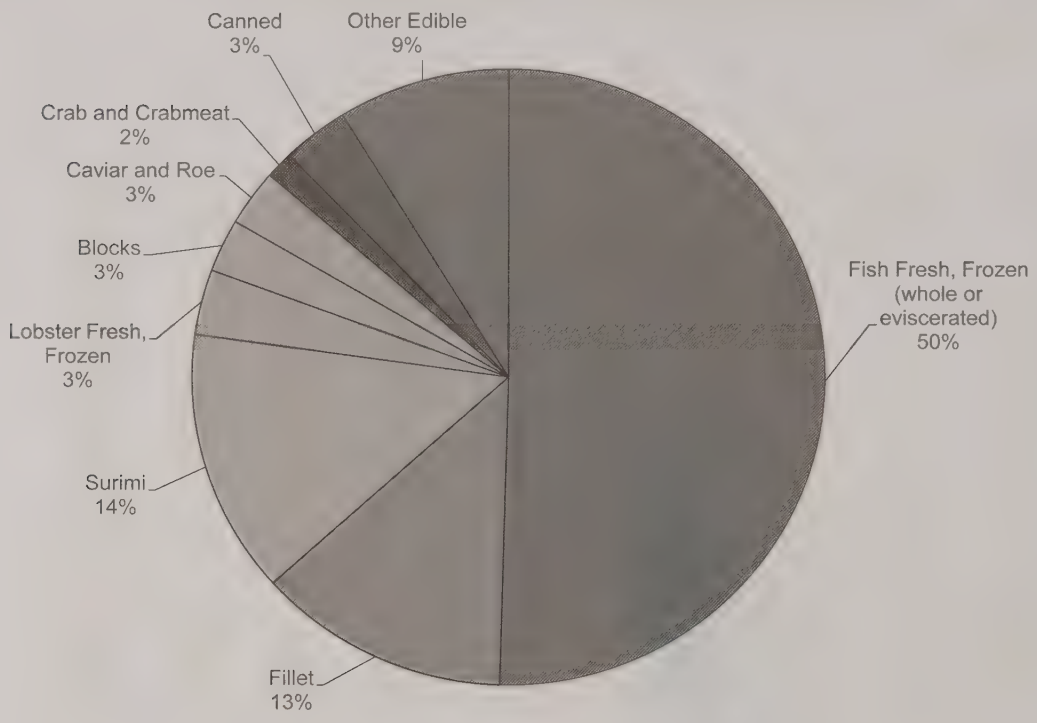


EDIBLE AND NONEDIBLE FISHERY PRODUCTS EXPORTS, 2008-2017 (1)

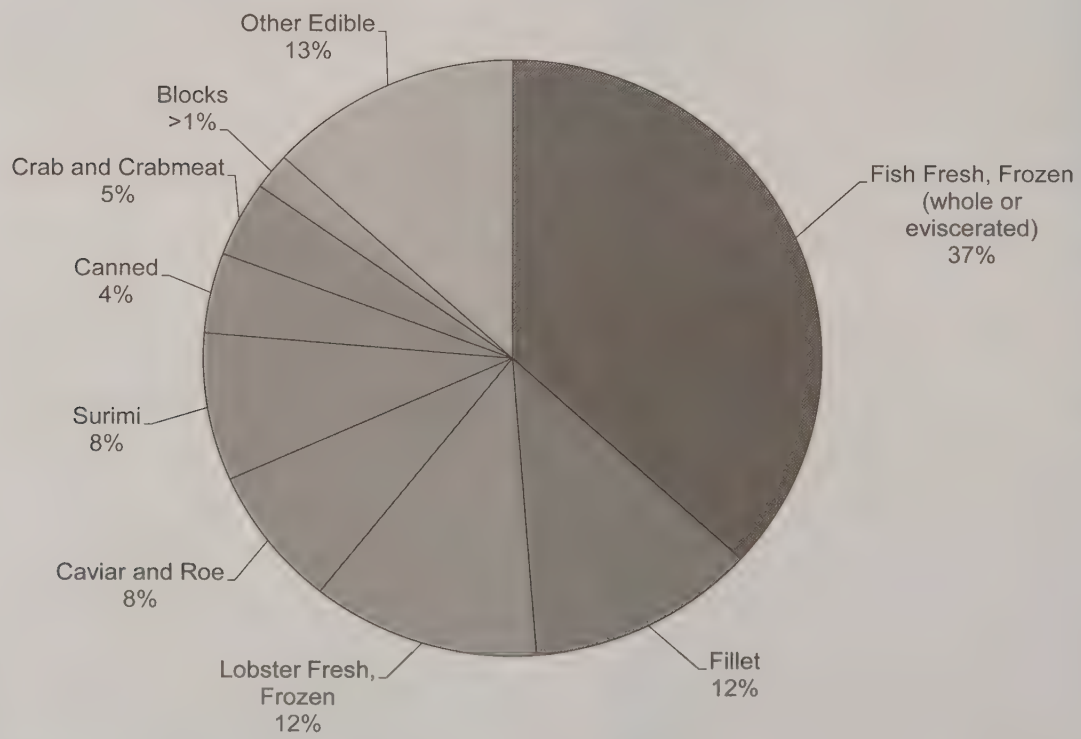
Year	Edible			Nonedible	Total
	Thousand pounds	Metric tons	---------Thousand dollars---------		
2008	2,650,093	1,202,074	4,256,835	19,110,474	23,367,309
2009	2,546,281	1,154,985	3,979,728	15,655,964	19,635,693
2010	2,733,127	1,239,738	4,389,171	17,996,550	22,385,721
2011	3,267,525	1,482,140	5,446,677	20,771,139	26,217,815
2012	3,254,394	1,476,183	5,470,491	21,913,933	27,384,424
2013	3,323,761	1,507,648	5,584,082	23,529,404	29,113,486
2014	3,402,041	1,543,156	5,753,667	24,224,826	29,978,493
2015	3,141,380	1,424,921	5,566,683	22,829,316	28,395,998
2016	2,930,628	1,329,324	5,383,808	22,605,071	27,988,879
2017	**3,200,534**	**1,451,753**	**5,729,678**	**23,243,265**	**28,972,943**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

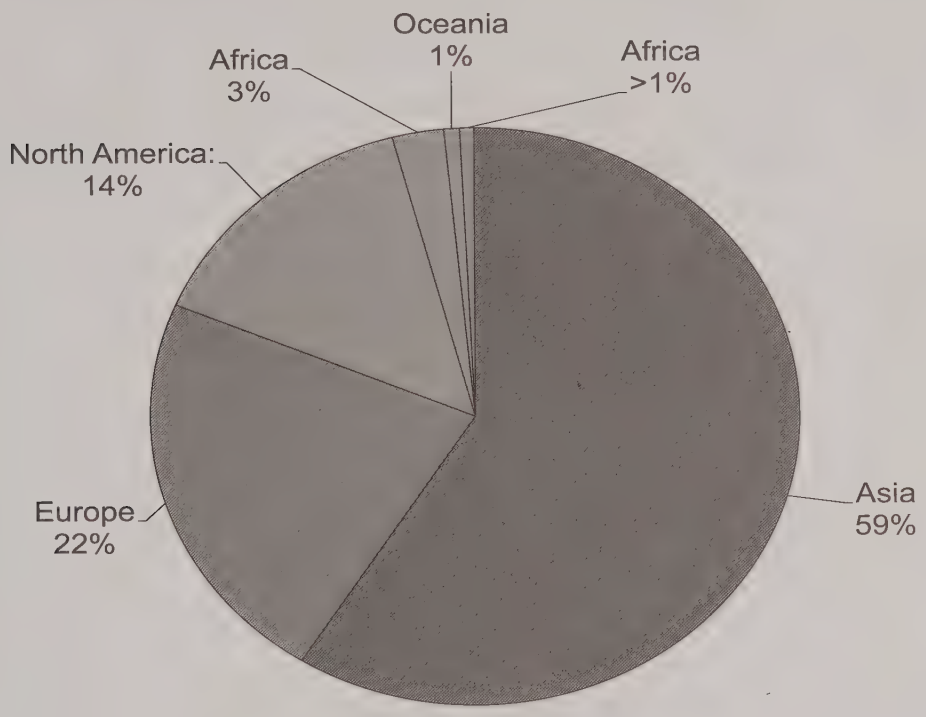
U.S. Exports of Edible Products, Product Type by Volume, 2017



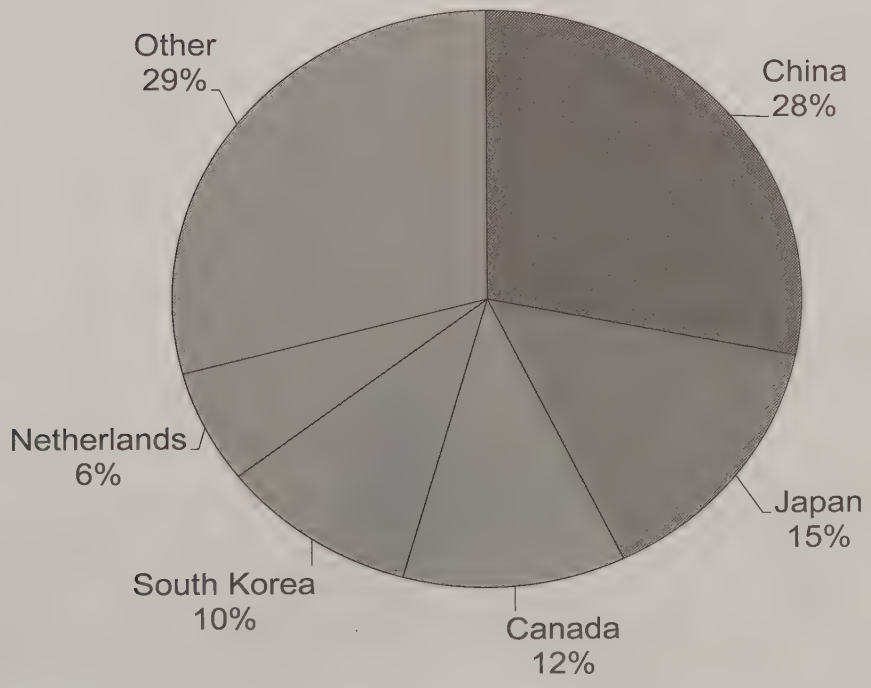
U.S. Exports of Edible Products, Product Type by Value, 2017



U.S. Exports to Major Areas, 2017, by Volume



U.S. Exports to Major Importers, 2017, by Volume



FISHERY PRODUCTS EXPORTS, BY PRINCIPAL ITEMS, 2016 AND 2017 (1)

Item	2016			2017		
Edible fishery products: **Fresh and frozen:**	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Whole or eviscerated:						
Freshwater	13,027	5,909	16,679	13,830	6,273	20,664
Flatfish	282,328	128,063	221,223	259,361	117,645	203,465
Groundfish	456,193	206,928	535,311	536,972	243,569	587,321
Herring	56,035	25,417	30,894	67,422	30,582	31,152
Sablefish	12,325	5,591	80,954	12,680	5,752	86,727
Salmon	311,369	141,236	577,415	451,490	204,795	809,903
Tuna	38,486	17,457	55,097	23,951	10,864	51,231
Other	220,570	100,050	279,641	248,314	112,634	314,082
Fillets and steaks:						
Freshwater	15,300	6,940	47,833	16,301	7,394	47,296
Flatfish	2,422	1,098	8,991	2,331	1,057	9,267
Groundfish	315,593	143,152	389,553	337,751	153,203	404,995
Salmon	45,502	20,639	155,034	46,594	21,135	192,712
Other	10,077	4,571	49,263	10,282	4,664	33,656
Meat whether or not minced	86,095	39,053	94,587	88,990	40,366	112,679
Surimi	420,850	190,896	448,627	443,924	201,363	459,810
Fish sticks	41,564	18,853	78,802	40,073	18,177	80,278
Clams	17,482	7,930	111,886	11,867	5,383	109,074
Crabs	46,209	20,960	249,889	42,657	19,349	218,506
Crabmeat	2,163	981	11,967	3,125	1,418	16,016
Lobsters	122,672	55,644	753,304	109,489	49,664	683,757
Scallops (meats)	22,400	10,161	175,037	20,268	9,193	165,171
Sea urchins	520	236	2,625	681	309	3,441
Shrimp	26,549	12,042	124,126	21,633	9,813	114,394
Squid	129,405	58,698	137,475	159,532	72,363	183,982
Other fish and shellfish	25,399	11,521	97,122	22,194	10,067	94,788
Total, Fresh and Frozen	**2,720,535**	**1,234,027**	**4,733,338**	**2,991,713**	**1,357,032**	**5,034,368**
Canned:						
Salmon	82,088	37,235	178,028	63,370	28,744	159,703
Sardines	432	196	254	403	183	287
Tuna	4,351	1,973	9,087	4,767	2,162	11,030
Abalone	92	42	1,437	121	55	1,925
Crabmeat	1,941	880	10,756	292	132	1,835
Shrimp	281	128	1,009	238	108	780
Squid	446	203	269	1,513	686	908
Other fish and shellfish	17,687	8,023	46,181	37,967	17,222	72,527
Total, canned	**107,320**	**48,680**	**247,021**	**108,670**	**49,292**	**248,995**
Cured:						
Dried	2,555	1,159	4,665	990	449	2,362
Pickled or salted	4,351	1,974	7,220	2,112	958	3,890
Smoked or kippered	931	423	7,408	1,109	503	8,821
Total, cured	**7,838**	**3,555**	**19,293**	**4,211**	**1,910**	**15,072**
Caviar and roe:						
Herring	1,124	510	2,171	1,437	652	2,360
Pollock	30,997	14,060	111,051	40,722	18,471	111,731
Salmon	16,843	7,640	104,538	29,038	13,172	217,339
Sea urchin	979	444	24,969	784	356	23,619
Other	18,334	8,316	69,713	22,738	10,314	83,452
Total, caviar and roe	**68,277**	**30,970**	**312,442**	**94,720**	**42,965**	**438,500**
Edible seaweed and algae	2,355	1,068	11,418	2,344	1,063	11,464
Prepared meals	13,554	6,148	36,397	7,310	3,316	16,370
Other fish and shellfish	7,172	3,253	17,377	10,071	4,568	14,398
Total Edible Products	**2,930,591**	**1,329,308**	**5,383,808**	**3,200,534**	**1,451,753**	**5,729,678**
Nonedible products:						
Meal and scrap	339,879	154,168	223,079	346,049	156,967	181,678
Fish oils	166,636	75,586	176,944	139,033	63,065	146,347
Other	-	-	22,205,047	-	-	22,915,241
Total Nonedible Products	**-**	**-**	**22,605,071**	**-**	**-**	**23,243,265**
Grand Total	**-**	**-**	**27,988,879**	**-**	**-**	**28,972,943**

Source: U.S. Department of Commerce, U.S. Census Bureau.
(1) Figures reflect both domestic and foreign (re-exports).

EDIBLE AND NONEDIBLE FISHERY PRODUCTS EXPORTS, 2017 (1)

Continent and Country	Edible			Nonedible	Total
	Thousand pounds	Metric tons	-----	Thousand dollars	-----
North America:					
Canada	366,757	166,360	1,129,767	3,517,672	4,647,439
Mexico	47,791	21,678	70,692	1,636,861	1,707,554
Dominican Republic	7,956	3,609	15,343	404,377	419,720
Sint Maarten	1,357	615	4,361	205,850	210,211
Panama	3,789	1,719	7,737	185,646	193,383
Other	38,192	17,324	85,913	679,174	765,087
Total	**465,842**	**211,305**	**1,313,813**	**6,629,581**	**7,943,394**
South America:					
Brazil	4,306	1,953	6,663	307,018	313,681
Chile	1,344	610	3,106	181,677	184,783
Colombia	8,987	4,076	11,789	140,131	151,920
Argentina	269	122	597	121,043	121,639
Uruguay	244	111	703	100,797	101,501
Other	7,566	3,432	10,850	277,200	288,050
Total	**22,716**	**10,304**	**33,707**	**1,127,867**	**1,161,574**
Europe:					
European Union:					
United Kingdom	31,425	14,254	83,480	991,518	1,074,998
Netherlands	203,203	92,172	278,232	577,180	855,412
France	79,906	36,245	170,889	555,113	726,002
Germany	125,653	56,996	209,201	406,315	615,516
Belgium	9,856	4,471	32,051	354,743	386,794
Other	166,737	75,631	305,278	693,575	998,853
Total	**616,780**	**279,769**	**1,079,131**	**3,578,443**	**4,657,574**
Other:					
Switzerland	8,570	3,888	11,892	1,749,908	1,761,800
Russian Federation	88	40	201	91,950	92,152
Ukraine	76,444	34,675	68,715	7,490	76,205
Turkey	297	135	1,202	66,768	67,969
Monaco	289	131	246	14,389	14,635
Other	12,266	5,564	15,238	39,272	54,510
Total	**97,954**	**44,432**	**97,494**	**1,969,777**	**2,067,271**
Asia:					
China - Hong Kong	27,083	12,285	177,409	3,525,776	3,703,185
China	904,191	410,138	1,238,481	1,084,224	2,322,705
Japan	470,201	213,282	862,100	1,036,745	1,898,845
South Korea	325,812	147,787	442,991	476,684	919,675
United Arab Emirates	3,929	1,782	18,146	552,275	570,421
Other	158,953	72,100	362,044	2,528,117	2,890,161
Total	**1,890,169**	**857,375**	**3,101,171**	**9,203,820**	**12,304,991**
Oceania:					
Australia	20,982	9,517	42,995	515,485	558,480
New Zealand	2,539	1,151	5,266	76,004	81,270
Marshall Is.	34	15	165	2,298	2,463
French Polynesia	620	281	1,013	1,276	2,289
Fiji	201	91	205	1,105	1,310
Other	521	237	645	2,124	2,769
Total	**24,897**	**11,293**	**50,289**	**598,293**	**648,582**
Africa:					
South Africa	9,730	4,413	7,173	54,299	61,472
Nigeria	28,386	12,876	14,859	13,604	28,463
Egypt	4,168	1,891	2,917	22,558	25,475
Cameroon	14,926	6,770	9,070	7,569	16,639
Ghana	12,172	5,521	7,851	6,263	14,115
Other	12,794	5,804	12,202	31,192	43,393
Total	**82,177**	**37,275**	**54,073**	**135,485**	**189,557**
Grand total	**3,200,534**	**1,451,753**	**5,729,678**	**23,243,265**	**28,972,943**

(1) Figures reflect both domestic and foreign exports (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

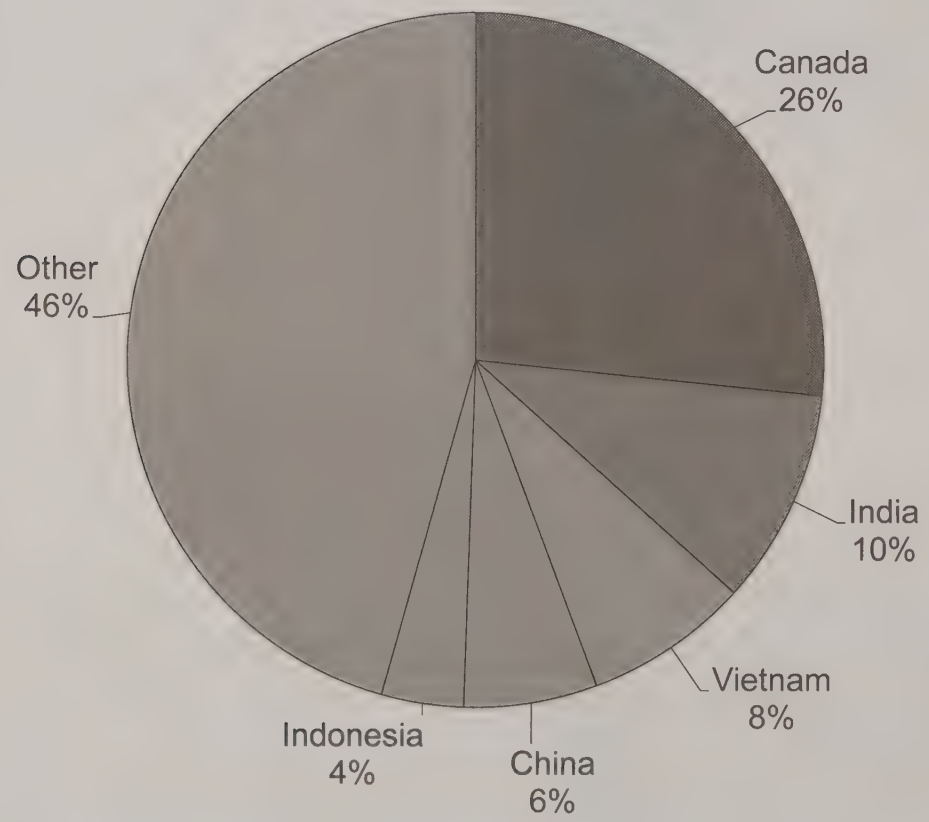
FRESH AND FROZEN SHRIMP EXPORTS, BY COUNTRY OF DESTINATION, 2016 AND 2017 (1)

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	3,653	1,657	17,411	5,761	2,613	26,754
India	1,667	756	11,560	2,172	985	13,578
Vietnam	3,893	1,766	16,230	1,658	752	10,465
China	1,054	478	6,801	1,343	609	9,493
Indonesia	732	332	5,297	825	374	6,167
Denmark	1,047	475	3,955	1,195	542	4,170
Mexico	794	360	3,137	864	392	4,139
Netherlands	377	171	1,946	1,071	486	3,239
Japan	487	221	2,819	518	235	3,175
Other	13,332	5,826	54,970	6,227	2,825	33,214
Total	**26,549**	**12,042**	**124,126**	**21,633**	**9,813**	**114,394**

(1) Figures reflect both domestic and foreign (re-exports).

Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Shrimp Exports by Major Importer, 2017 by Volume

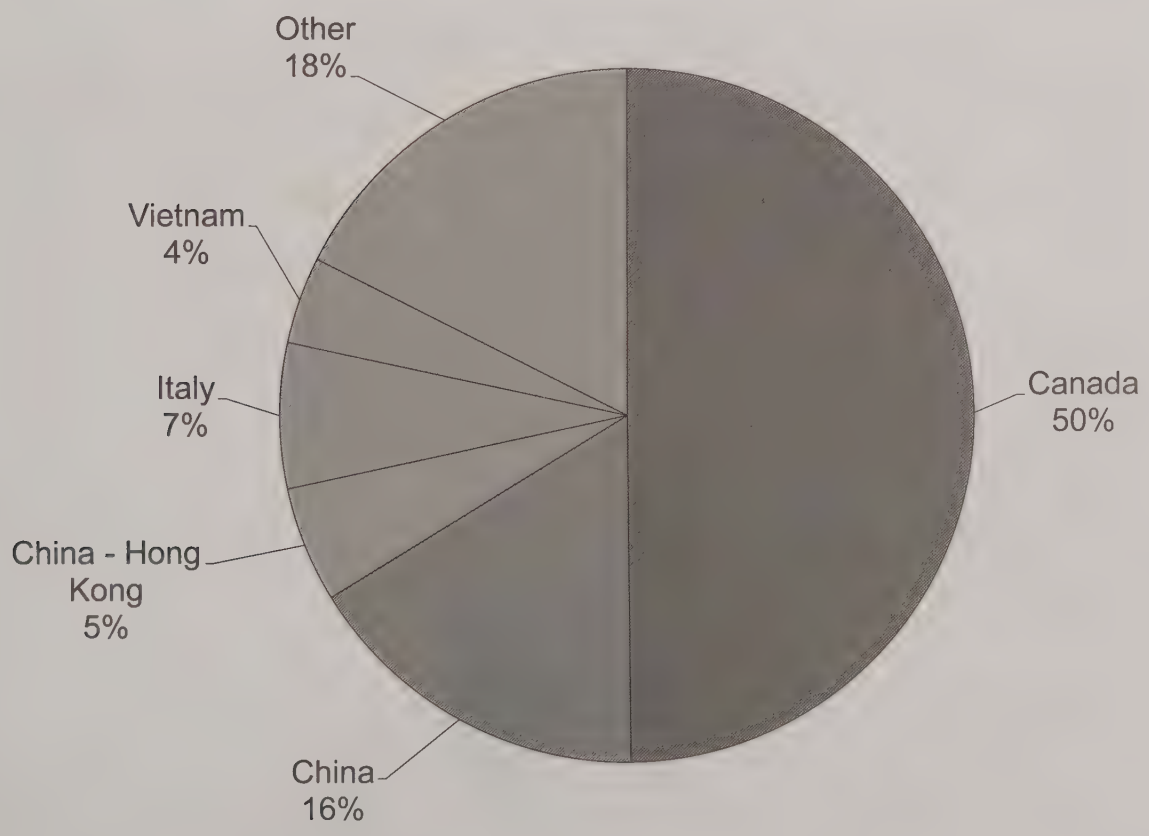


FRESH AND FROZEN LOBSTER EXPORTS, BY COUNTRY OF DESTINATION, 2016 AND 2017 (1)

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	70,726	32,081	351,179	54,577	24,756	254,936
China	11,978	5,433	91,909	17,954	8,144	143,369
China - Hong Kong	5,053	2,292	43,990	5,900	2,676	50,113
Italy	8,170	3,706	59,228	7,421	3,366	49,936
Vietnam	3,234	1,467	27,135	4,431	2,010	39,146
Spain	5,681	2,577	44,598	4,008	1,818	29,053
France	3,902	1,770	26,789	3,062	1,389	21,943
South Korea	2,690	1,220	19,067	2,498	1,133	19,734
Taiwan	1,254	569	10,653	1,415	642	11,567
Other	9,985	4,529	78,756	8,223	3,730	63,961
Total	**122,673**	**55,644**	**753,304**	**109,489**	**49,664**	**683,758**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Lobster Exports by Major Importer, 2017 by Volume



FRESH AND FROZEN SALMON EXPORTS, WHOLE OR EVISCERATED, BY COUNTRY OF DESTINATION, 2016 AND 2017 (1)

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
China	111,017	50,357	141,813	216,000	97,977	298,973
Canada	62,170	28,200	164,060	55,446	25,150	140,863
Japan	25,540	11,585	56,912	27,932	12,670	72,581
South Korea	24,013	10,892	54,469	23,880	10,832	57,802
Germany	15,221	6,904	38,282	19,217	8,717	54,123
Thailand	12,884	5,844	18,571	35,102	15,922	49,832
France	11,027	5,002	22,251	14,147	6,417	32,247
Netherlands	5,935	2,692	12,427	4,788	2,172	12,338
Spain	5,617	2,548	6,940	6,411	2,908	9,608
Other	37,946	17,212	61,690	48,567	22,030	81,536
Total	**311,369**	**141,236**	**577,415**	**451,491**	**204,795**	**809,903**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

CANNED SALMON EXPORTS, BY COUNTRY OF DESTINATION, 2016 AND 2017 (1)

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	36,466	16,541	88,082	31,206	14,155	89,690
United Kingdom	22,681	10,288	47,071	14,663	6,651	32,730
Australia	11,753	5,331	22,951	9,786	4,439	20,083
Netherlands	3,510	1,592	6,223	2,180	989	4,605
New Zealand	1,459	662	2,360	1,660	753	3,421
Mexico	1,933	877	3,992	1,407	638	3,352
South Africa	163	74	341	441	200	940
Trinidad & Tobago	582	264	1,129	401	182	728
China	35	16	45	201	91	640
Other	3,505	1,590	5,834	1,425	646	3,514
Total	**82,088**	**37,235**	**178,028**	**63,370**	**28,744**	**159,703**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

FROZEN SURIMI EXPORTS,
BY COUNTRY OF DESTINATION, 2016 AND 2017 (1)

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
South Korea	162,858	73,872	184,160	164,983	74,836	183,353
Japan	153,980	69,845	156,847	165,629	75,129	165,006
France	23,155	10,503	22,858	26,327	11,942	25,632
Lithuania	12,795	5,804	13,052	19,537	8,862	19,043
Thailand	10,783	4,891	10,850	17,130	7,770	16,785
Spain	20,721	9,399	22,031	16,199	7,348	15,525
Netherlands	14,522	6,587	16,411	14,041	6,369	14,753
China	4,974	2,256	5,375	7,714	3,499	7,939
Germany	8,668	3,932	8,744	6,367	2,888	5,967
Other	8,394	3,807	8,299	5,998	2,720	5,807
Total	**420,850**	**190,896**	**448,627**	**443,926**	**201,363**	**459,810**

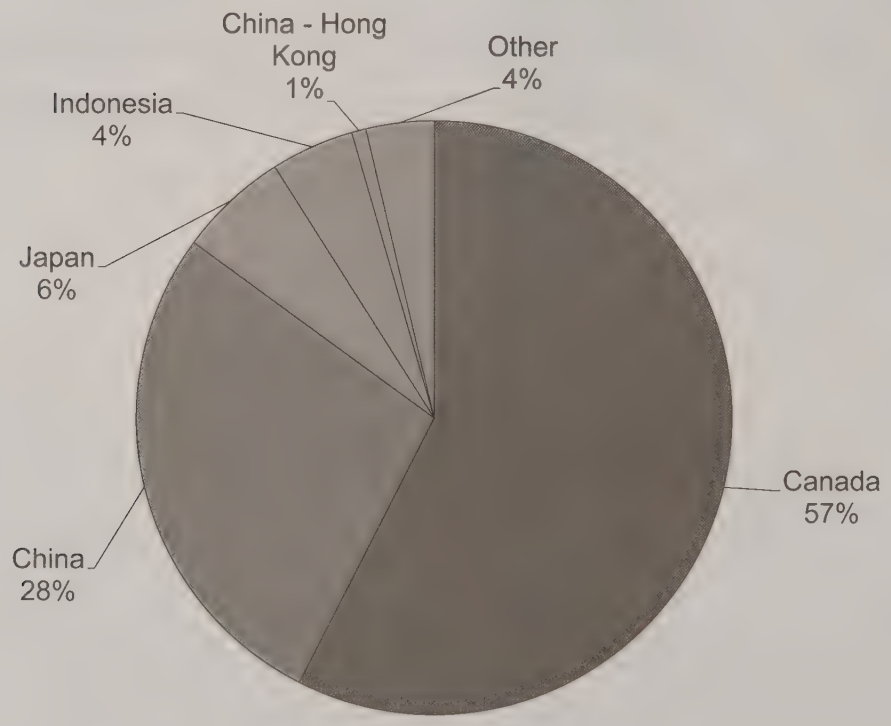
(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

FRESH AND FROZEN CRAB EXPORTS,
BY COUNTRY OF DESTINATION, 2016 AND 2017 (1)

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	18,913	8,579	85,582	24,513	11,119	90,070
China	15,099	6,849	87,996	11,766	5,337	76,520
Japan	6,239	2,830	41,520	2,542	1,153	27,098
Indonesia	2,597	1,178	11,645	1,925	873	8,896
China - Hong Kong	448	203	3,877	331	150	3,535
United Arab Emirates	212	96	1,505	165	75	1,699
Mexico	126	57	993	112	51	1,549
Vietnam	772	350	4,626	243	110	1,396
Thailand	470	213	3,902	95	43	1,384
Other	1,335	605	8,243	966	438	6,359
Total	**46,209**	**20,960**	**249,889**	**42,657**	**19,349**	**218,506**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Crab Exports by Major Importer, 2017, by Volume

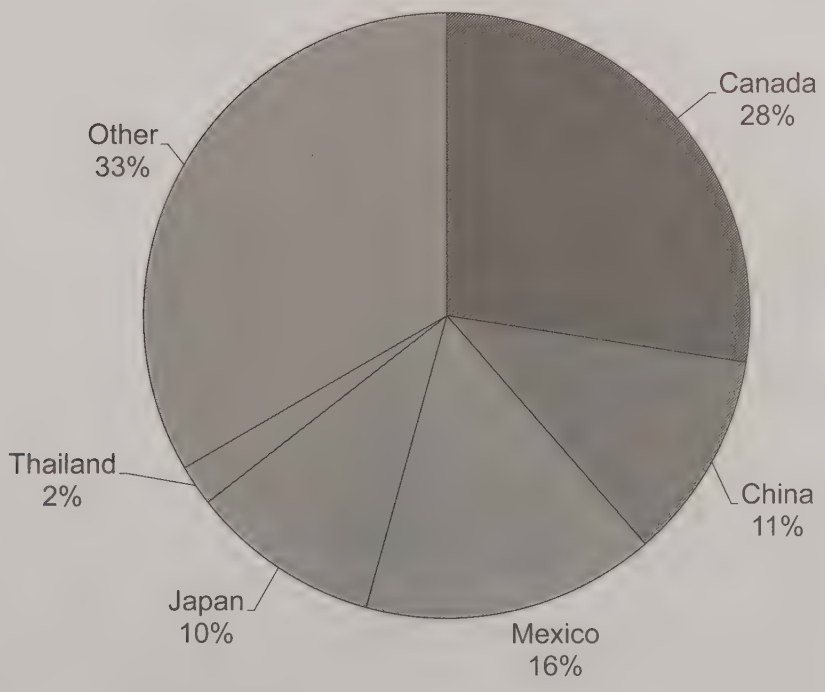


FRESH AND FROZEN CRABMEAT EXPORTS, BY COUNTRY OF DESTINATION, 2016 AND 2017 (1)

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	448	203	2,870	860	390	5,494
China	207	94	1,176	348	158	2,181
Mexico	181	82	853	489	222	1,436
Japan	185	84	1,205	317	144	1,103
Thailand	64	29	322	68	31	958
United Arab Emirates	37	17	197	64	29	561
China - Hong Kong	18	8	204	174	79	486
Taiwan	22	10	97	40	18	481
Jamaica	57	26	326	82	37	458
Other	944	428	4,717	682	310	2,858
Total	**2,163**	**981**	**11,967**	**3,125**	**1,418**	**16,016**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Crabmeat Exports by Major Importer, 2017, by Volume

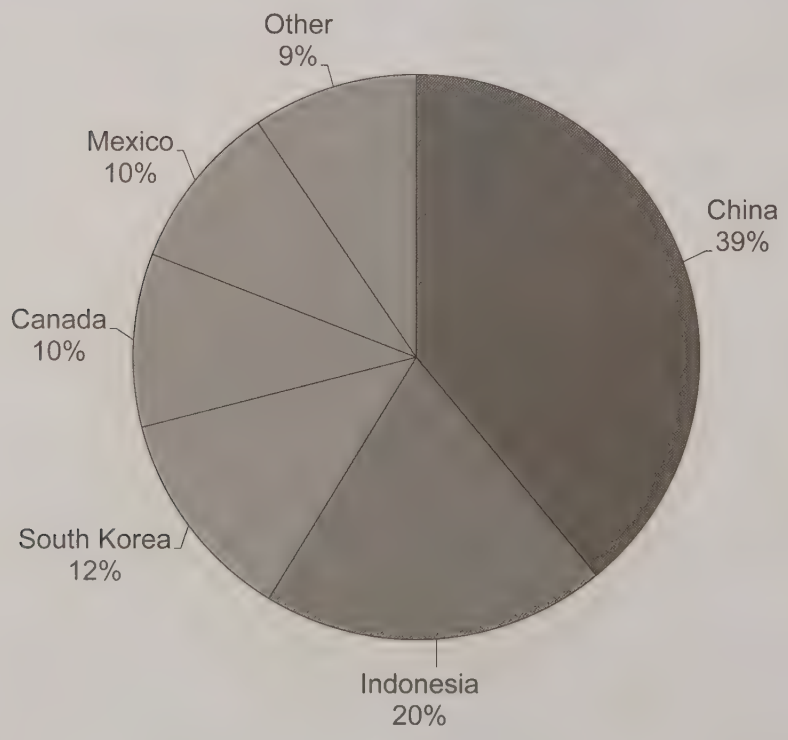


FISH MEAL EXPORTS,
BY COUNTRY OF DESTINATION, 2016 AND 2017 (1)

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
China	134,198	60,872	90,755	135,027	61,248	86,957
South Korea	44,952	20,390	35,240	42,584	19,316	29,386
Canada	45,318	20,556	29,547	34,334	15,574	23,955
Indonesia	613	278	153	68,142	30,909	14,624
Mexico	66,233	30,043	33,145	33,294	15,102	7,097
Taiwan	15,538	7,048	9,921	10,289	4,667	5,797
Japan	8,589	3,896	5,715	6,301	2,858	3,829
Norway	-	-	-	2,504	1,136	2,090
Thailand	1,841	835	1,579	2,357	1,069	1,865
Other	22,597	10,250	17,024	11,217	5,088	6,078
Total	**339,879**	**154,168**	**223,079**	**346,049**	**156,967**	**181,678**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Fish Meal Exports by Major Importer, 2017, by Volume

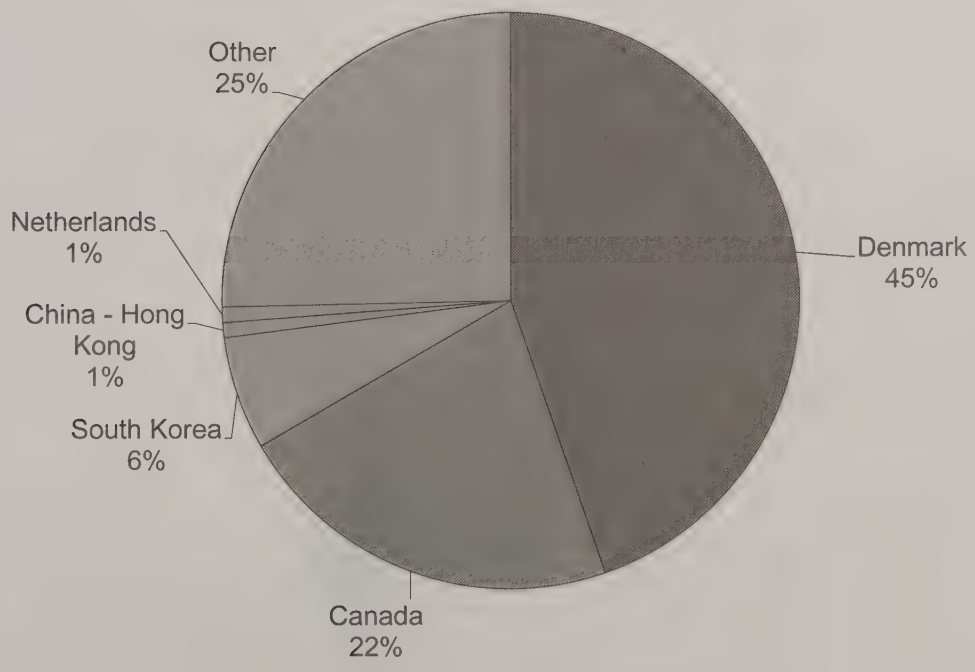


FISH AND MARINE ANIMAL OIL EXPORTS, BY COUNTRY OF DESTINATION, 2016 AND 2017 (1)

Country	2016			2017		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Denmark	87,520	39,699	68,838	62,168	28,199	40,217
Canada	28,219	12,800	29,689	30,485	13,828	30,453
China - Hong Kong	750	340	8,039	1,162	527	9,420
South Korea	8,007	3,632	8,708	8,829	4,005	8,484
Netherlands	1,876	851	9,782	1,215	551	6,920
Taiwan	4,522	2,051	5,080	7,520	3,411	6,798
Chile	7,489	3,397	5,392	8,893	4,034	6,090
Singapore	214	97	1,786	362	164	3,472
Japan	9,881	4,482	4,816	5,461	2,477	3,444
Other	18,158	8,237	34,814	12,939	5,869	31,049
Total	**166,636**	**75,586**	**176,944**	**139,033**	**63,065**	**146,347**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Fish Oil Exports by Major Importer, 2017, by Volume



U.S. Supply of Fishery Products

U.S. SUPPLY OF EDIBLE AND INDUSTRIAL FISHERY PRODUCTS, 2008-2017

(Round weight)

Year	Domestic Commercial Landings	Imports	Exports	Total
	Million pounds			
2008	8,326	10,875	6,353	12,848
2009	8,031	10,868	5,738	13,161
2010	8,231	11,517	6,129	13,619
2011	9,858	11,248	7,695	13,411
2012	9,634	11,123	8,259	12,498
2013	9,870	11,118	8,915	12,073
2014	9,486	11,945	9,344	12,087
2015	9,718	11,709	8,771	12,656
2016	9,572	11,970	8,675	12,867
2017	**9,916**	**12,350**	**8,921**	**13,345**

U.S. SUPPLY OF EDIBLE FISHERY PRODUCTS, 2008-2017

(Round weight)

Year	Domestic Commercial Landings	Imports	Exports	Total
	Million pounds			
2008	6,633	10,404	5,253	11,784
2009	6,198	10,439	4,760	11,877
2010	6,526	11,034	5,170	12,389
2011	7,909	10,823	6,602	12,130
2012	7,477	10,588	6,474	11,591
2013	8,043	10,529	7,066	11,506
2014	7,828	11,286	7,365	11,749
2015	7,750	11,098	6,936	11,912
2016	7,484	11,295	6,772	12,007
2017	**8,228**	**11,577**	**6,984**	**12,821**

U.S. SUPPLY OF INDUSTRIAL FISHERY PRODUCTS, 2008-2017

(Round weight)

Year	Domestic Commercial Landings	Imports	Exports	Total
	Million pounds			
2008	1,692	471	1,100	1,063
2009	1,833	430	978	1,285
2010	1,705	483	959	1,229
2011	1,949	425	1,093	1,281
2012	2,157	535	1,785	907
2013	1,827	589	1,850	566
2014	1,658	659	1,979	338
2015	1,968	611	1,835	744
2016	2,088	675	1,903	860
2017	**1,688**	**773**	**1,938**	**523**

U.S. SUPPLY OF COMMERCIAL FINFISH AND SHELLFISH, 2016 and 2017

Item	Domestic Commercial landings		Imports		Exports		Total	
	2016	2017	2016	2017	2016	2017	2016	2017
	Thousand pounds—round weight							
Edible								
Finfish	6,392,630	7,120,617	7,353,221	7,300,514	6,283,815	6,524,092	7,462,036	7,897,039
Shellfish, et al.	1,091,866	1,107,407	3,941,982	4,276,210	487,996	459,462	4,545,852	4,924,155
Subtotal	**7,484,496**	**8,228,024**	**11,295,203**	**11,576,724**	**6,771,811**	**6,983,554**	**12,007,888**	**12,821,194**
Industrial								
Finfish	2,050,183	1,652,852	674,893	773,116	1,903,333	1,937,877	821,743	488,091
Shellfish, et al.	37,359	35,048	(1)	(1)	(1)	(1)	37,359	35,048
Subtotal	**2,087,542**	**1,687,900**	**674,893**	**773,116**	**1,903,333**	**1,937,877**	**859,102**	**523,139**
Total:								
Finfish	8,442,813	8,773,469	8,028,115	8,073,630	8,187,149	8,461,969	8,283,779	8,385,130
Shellfish, et al.	1,129,225	1,142,455	3,941,982	4,276,210	487,996	459,462	4,583,211	4,959,203
Grand Total	**9,572,038**	**9,915,924**	**11,970,097**	**12,349,840**	**8,675,145**	**8,921,431**	**12,866,990**	**13,344,333**

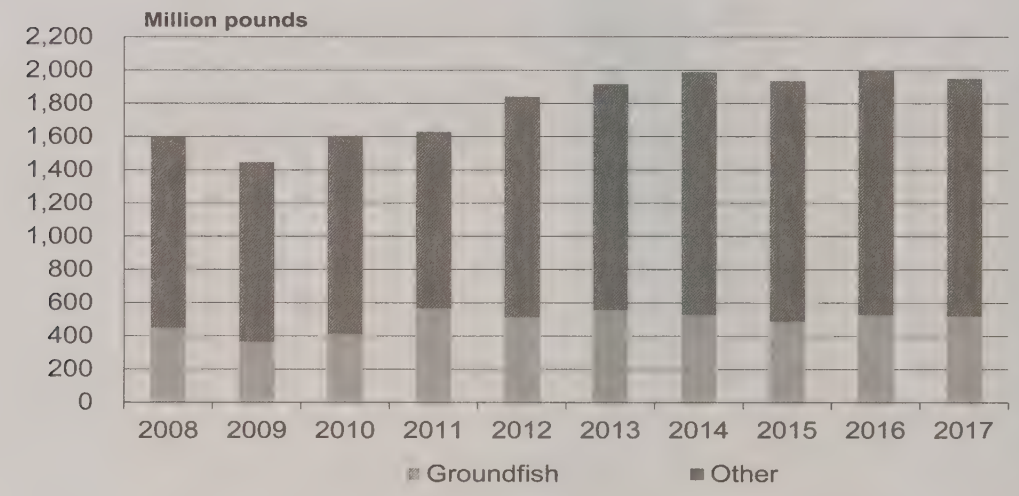
(1) Not available.
Note: Total landings shown in this table may not agree with landings reported in other tables due to rounding.

U.S. SUPPLY OF ALL FILLETS AND STEAKS, 2008-2017 (edible weight)

Year	U.S. Production (1)	Imports	Total	Exports	Total Supply
	Thousand pounds				
2008	655,604	1,255,249	1,910,853	308,119	1,602,734
2009	511,389	1,250,960	1,762,349	316,308	1,446,041
2010	584,563	1,326,331	1,910,894	304,413	1,606,481
2011	774,666	1,370,445	2,145,111	515,724	1,629,387
2012	691,764	1,467,223	2,158,987	318,111	1,840,876
2013	753,123	1,538,357	2,291,480	373,512	1,917,968
2014	822,030	1,576,748	2,398,778	408,710	1,990,068
2015	724,590	1,593,436	2,318,026	381,305	1,936,721
2016	784,211	1,602,840	2,387,051	391,941	1,995,110
2017	**798,587**	**1,565,469**	**2,364,056**	**413,264**	**1,950,792**

(1) Includes fillets used to produce blocks.

U.S. Supply of Fillets and Steaks, 2008-2017



U.S. SUPPLY OF GROUNDFISH FILLETS AND STEAKS, 2008-2017 (edible weight)

Year	U.S. Production (1)	Imports	Total	Exports (2)	Total Supply
	Thousand pounds				
2008	471,758	198,405	670,163	222,398	447,765
2009	367,572	205,314	572,886	209,596	363,290
2010	396,078	214,803	610,881	199,966	410,915
2011	605,292	235,354	840,646	275,636	565,010
2012	516,727	230,972	747,699	235,967	511,732
2013	601,315	245,427	846,742	292,509	554,234
2014	627,159	236,609	863,768	336,241	527,527
2015	568,029	222,435	790,464	303,781	486,683
2016	600,460	241,611	842,071	315,596	526,475
2017	**605,559**	**249,702**	**855,261**	**337,755**	**517,506**

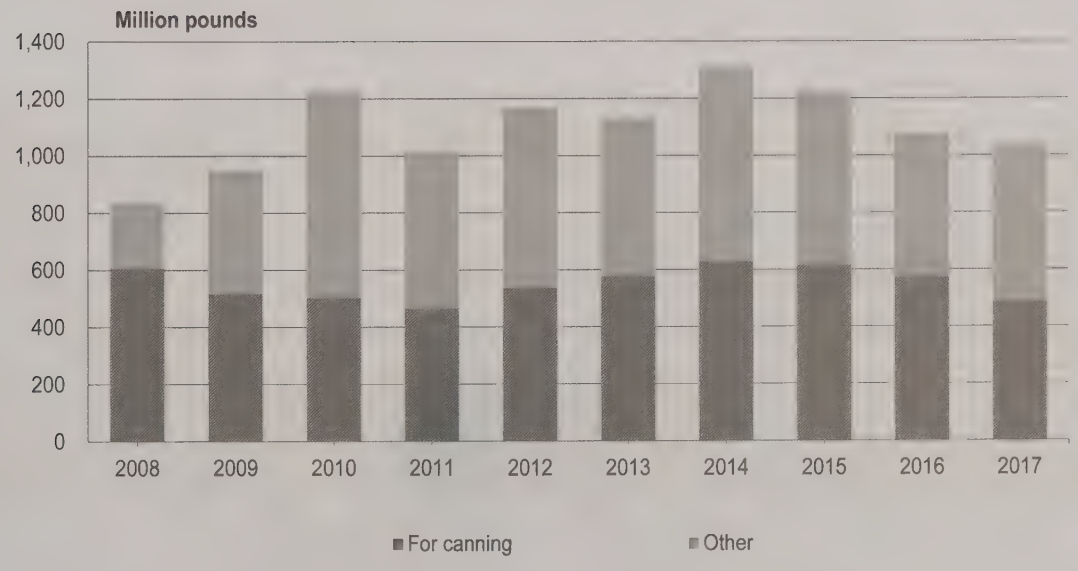
(1) Includes fillets used to produce blocks. Species include cod, cusk, haddock, hake, pollock, and ocean perch.
(2) Species include cod and pollock.

U.S. SUPPLY OF FRESH AND FROZEN TUNA, 2008-2017 (round weight)

Year	U.S. Commercial Landings (1)			Imports (2)			Exports Total	Total Supply
	For canning	Other	Total	For Canning	Other	Total		
	Thousand pounds							
2008	176,456	122,300	298,756	430,185	151,939	582,124	40,720	840,160
2009	125,176	314,050	439,226	392,160	165,728	557,888	45,978	951,136
2010	68,936	461,972	530,908	433,475	304,366	737,841	43,426	1,225,323
2011	95,232	405,443	500,675	370,180	187,754	557,934	42,488	1,016,121
2012	136,680	484,800	621,480	399,830	212,879	612,709	65,469	1,168,720
2013	132,374	435,666	568,040	444,342	165,229	609,571	46,507	1,131,104
2014	169,074	533,297	702,371	459,517	188,218	647,735	38,839	1,311,267
2015	161,428	442,801	604,229	454,219	209,488	663,707	43,349	1,224,587
2016	173,454	301,033	474,487	399,291	248,681	647,972	44,528	1,077,931
2017	**128,904**	**346,244**	**475,148**	**356,174**	**234,677**	**590,851**	**29,909**	**1,036,090**

(1) Includes quantity of fish landed at other ports by U.S.-flag vessels.
(2) Includes landings in American Samoa of foreign caught fish.

U.S. Supply of Fresh and Frozen Tuna, 2008-2017



U.S. SUPPLY OF FRESH AND FROZEN SALMON, 2008-2017 (round weight)

Year	U.S. Commercial Landings			Imports Total	Exports Total	Total Supply
	For Canning	Other	Total			
	Thousand pounds					
2008	189,860	468,482	658,342	835,675	383,841	1,110,176
2009	216,960	488,242	705,202	816,027	350,420	1,170,809
2010	223,345	564,395	787,740	783,370	428,024	1,143,086
2011	225,057	555,031	780,088	826,115	441,683	1,164,520
2012	182,987	452,818	635,805	1,013,010	381,181	1,267,634
2013	308,729	760,341	1,069,070	1,027,823	555,017	1,541,877
2014	136,586	583,615	720,201	1,158,950	484,204	1,394,947
2015	255,784	810,263	1,066,047	1,245,408	605,761	1,705,694
2016	81,394	479,642	561,036	1,269,733	463,739	1,367,030
2017	**203,811**	**804,387**	**1,008,198**	**1,324,645**	**633,236**	**1,699,607**

U.S. SUPPLY OF CANNED SALMON, 2008-2017 (canned weight)

Year	U.S. Pack	Imports	Total	Exports	Total Supply
	Thousand pounds				
2008	123,930	19,749	143,679	117,876	25,803
2009	141,917	22,789	164,706	97,342	67,364
2010	146,430	17,048	163,478	90,662	72,816
2011	147,699	14,290	161,989	112,024	49,965
2012	120,022	16,043	136,065	91,006	45,059
2013	202,752	25,580	228,332	100,472	127,860
2014	89,371	21,021	110,392	94,781	15,611
2015	167,643	19,771	187,414	86,703	100,711
2016	52,030	18,916	70,946	82,089	(11,143)
2017	**133,878**	**21,757**	**155,635**	**63,371**	**92,264**

Our method of calculating canned salmon supply does not incorprate annual beginning and ending warehouse stock. Because of the biennial nature of the pink salmon fishery some salmon canned in one year may be exported in a following year. This may result in a negative value for total salmon supply.

U.S. SUPPLY OF CANNED TUNA, 2008-2017 (canned weight)

Year	U.S. Pack	Imports	Total	Exports	Total Supply
	Thousand pounds				
2008	473,941	377,776	851,717	3,743	847,974
2009	369,231	397,981	767,212	4,969	762,243
2010	395,449	442,360	837,809	3,946	833,862
2011	384,904	412,696	797,600	4,210	793,390
2012	387,022	353,765	740,787	5,822	734,965
2013	383,565	347,392	730,957	5,443	725,514
2014	390,993	342,105	733,098	5,020	728,078
2015	399,866	313,373	713,239	9,325	703,914
2016	382,866	292,324	675,190	4,351	670,839
2017	**363,193**	**311,928**	**675,121**	**4,767**	**670,354**

U.S. SUPPLY OF KING CRAB, 2008-2017 (round weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports (1)	Total Supply
	Thousand pounds				
2008	27,208	64,409	91,617	20,977	70,640
2009	22,391	64,205	86,596	24,504	62,092
2010	24,042	42,589	66,631	22,555	44,076
2011	17,003	40,163	57,166	21,846	35,320
2012	16,358	57,321	73,679	11,169	62,510
2013	15,434	50,647	66,081	12,581	53,500
2014	16,666	49,649	66,315	12,372	53,943
2015	17,532	45,909	63,441	10,695	52,747
2016	14,592	40,736	55,328	5,600	49,728
2017	**12,895**	**40,533**	**53,428**	**7,309**	**46,119**

(1) Imports, exports, and foreign exports were converted to round (live) weight by using these conversion factors: frozen, 1.75; meat, 4.50; and canned, 5.33.

U.S. SUPPLY OF SNOW (TANNER) CRABS, 2008-2017 (round weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports (2)	Total Supply
	Thousand pounds				
2008	66,078	160,834	226,912	30,220	196,692
2009	61,530	195,030	256,560	32,751	223,809
2010	50,473	172,481	222,954	26,405	196,549
2011	60,017	160,832	220,849	43,651	177,198
2012	92,991	177,010	270,001	68,015	201,986
2013	68,937	206,192	275,129	46,069	229,060
2014	63,103	170,994	234,092	39,690	194,395
2015	100,095	184,049	284,144	45,087	239,056
2016	51,345	186,431	237,776	32,970	204,806
2017	**23,713**	**186,431**	**210,144**	**15,905**	**194,239**

(1) Converted to round (live) weight by multiplying fresh and frozen by 1.50; meat, 4.50; and canned, 5.00.
(2) Domestic merchandise converted to round (live) weight by multiplying frozen weight by 2.13 (believed to be mostly sections); meat, 4.50; and canned, 5.33. Foreign exports converted using the same factors as imports.

U.S. SUPPLY OF CANNED CRABMEAT, 2008-2017 (canned weight)

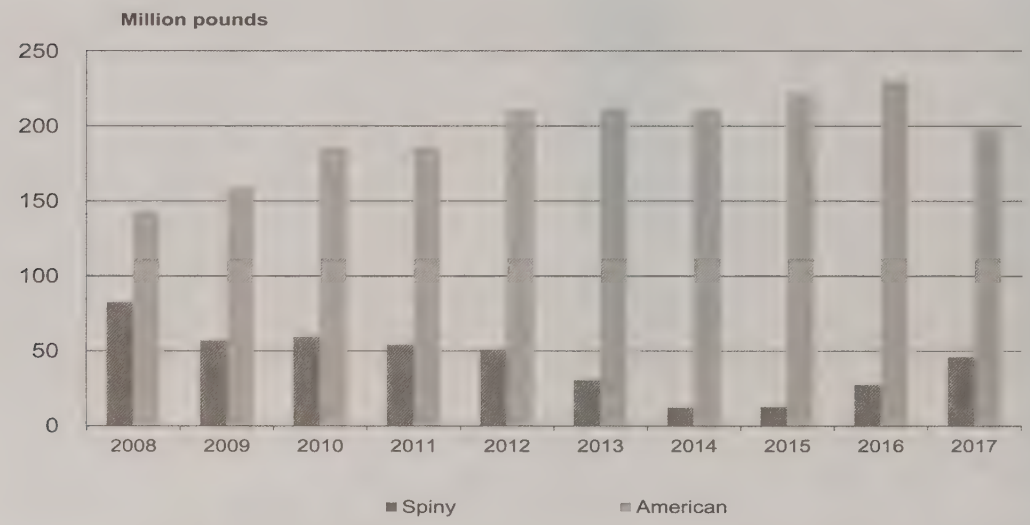
Year	U.S. Pack	Imports	Total	Exports	Total Supply
	Thousand pounds				
2008	20	70,064	70,084	2,504	67,580
2009	11	60,957	60,968	2,191	58,777
2010	699	67,979	68,678	2,952	65,726
2011	226	66,167	66,393	3,508	62,885
2012	260	71,184	71,444	4,120	67,324
2013	60	64,088	64,148	3,137	61,011
2014	63	64,235	64,298	2,542	61,756
2015	43	65,302	65,345	1,865	63,480
2016	180	62,309	62,489	1,941	60,548
2017	**152**	**64,629**	**64,781**	**292**	**64,489**

U.S. SUPPLY OF AMERICAN LOBSTERS, 2008-2017 (Round weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports (2)	Total Supply
	Thousand pounds				
2008	81,835	118,545	200,380	56,843	143,537
2009	96,890	114,794	211,684	52,979	158,705
2010	115,433	141,993	257,426	71,398	186,028
2011	126,318	148,246	274,564	88,375	186,190
2012	149,550	167,832	317,382	106,463	210,919
2013	149,323	168,446	317,769	105,880	211,889
2014	147,786	179,987	327,773	117,574	210,199
2015	145,921	189,503	335,424	113,517	221,907
2016	158,561	193,918	352,479	122,375	230,104
2017	**132,973**	**174,920**	**307,893**	**110,356**	**197,537**

(1) Only imports from Canada and St. Pierre and Miquelon are considered American lobster and were converted to round (live) weight by using these conversion factors: 1.00, whole; 4.50, meat; and 4.64, canned.
(2) Domestic exports converted to live weight by 1.00, whole; 4.00, meat; and 4.50, canned. Foreign exports converted using import factors.

U.S. Supply of Lobster, 2008-2017



U.S. SUPPLY OF SPINY LOBSTERS, 2008-2017 (Round weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports (2)	Total Supply
	Thousand pounds				
2008	4,196	88,131	92,327	9,551	82,776
2009	4,729	67,406	72,135	14,845	57,290
2010	6,371	79,927	86,298	26,760	59,538
2011	6,355	67,690	74,045	19,751	54,295
2012	4,808	61,530	66,338	15,119	51,220
2013	6,172	63,638	69,810	39,097	30,714
2014	4,778	56,526	61,304	48,815	12,489
2015	6,520	59,144	65,664	52,744	12,920
2016	5,861	52,433	58,294	30,721	27,573
2017	**3,973**	**52,331**	**56,304**	**10,115**	**46,189**

(1) Imports were converted to round (live) weight by using these conversion factors: 1.00, whole; 3.00, tails; 4.35, other; and 4.50, canned.
(2) Domestic exports converted to round weight by using: 1.00, whole; 3.00, tails; 4.00, other; and 4.50 canned. Foreign exports converted using import factors.

U.S. SUPPLY OF CLAMS, 2008-2017 (meat weight)

Year	U.S. Commercial Landings (1)	Imports (2)	Total	Exports	Total supply
	Thousand pounds				
2008	107,772	21,008	128,780	8,065	120,715
2009	101,137	21,875	123,012	7,243	115,769
2010	88,891	22,941	111,832	6,675	105,157
2011	86,449	25,260	111,709	4,318	107,391
2012	90,563	25,006	115,569	6,961	108,608
2013	91,090	27,995	119,085	8,338	110,747
2014	90,744	20,831	111,575	2,815	108,760
2015	86,096	22,299	108,395	2,916	105,480
2016	88,886	22,189	111,075	2,189	108,886
2017	**84,883**	**20,995**	**105,878**	**4,674**	**101,204**

(1) For species breakout see the "U.S. Domestic Landings by Species" table in the U.S. Commercial Landings section.
(2) Imports and exports were converted to meat weight by using these conversion factors: 0.40, in shell or shucked; 0.30, canned chowder and juice; and 0.93, other.

U.S. SUPPLY OF OYSTERS, 2008-2017 (meat weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports	Total Supply
	Thousand pounds				
2008	30,162	32,563	62,725	9,017	53,708
2009	35,571	31,745	67,316	8,604	58,712
2010	28,080	34,656	62,736	5,922	56,814
2011	28,504	42,614	71,118	7,989	63,129
2012	33,087	27,277	60,364	6,253	54,111
2013	35,399	30,545	65,944	5,976	59,968
2014	34,135	30,153	66,889	6,436	58,352
2015	27,535	34,883	65,766	6,380	57,437
2016	33,295	36,618	69,913	5,844	64,069
2017	**31,805**	**41,478**	**73,283**	**7,611**	**65,672**

(1) Imports and exports were converted to meat weight by using these conversion factors: 0.93, canned; 3.12, canned smoked; and 0.75, other.

U.S. SUPPLY OF SCALLOPS, 2008-2017 (meat weight)

Year	U.S. Commercial Landings (1)	Imports	Total	Exports	Total Supply
	Thousand pounds				
2008	53,658	55,904	109,562	21,413	88,149
2009	58,275	53,816	112,091	21,951	90,140
2010	57,584	50,424	108,008	23,137	84,871
2011	59,277	55,483	114,760	29,941	84,819
2012	57,471	33,565	91,036	31,512	59,524
2013	41,173	59,910	101,083	26,693	74,390
2014	33,980	59,449	93,429	25,533	67,896
2015	35,824	47,879	83,703	21,703	62,000
2016	40,611	49,428	90,039	22,392	67,647
2017	**51,733**	**39,438**	**91,171**	**20,268**	**70,903**

(1) For species breakout see the "U.S. Domestic Landings by Species" table in the U.S. Commercial Landings section.

U.S. SUPPLY OF ALL FORMS OF SHRIMP, 2008-2017 (head-off weight)

Year	U.S. Commercial Landings (1)	Imports (2)	Total	Exports (3)	Total Supply
	Thousand pounds				
2008	158,725	1,624,438	1,783,163	61,365	1,721,798
2009	187,062	1,611,019	1,798,081	52,438	1,745,643
2010	159,355	1,625,165	1,784,520	45,022	1,739,498
2011	192,033	1,675,412	1,867,445	57,300	1,810,144
2012	186,073	1,500,771	1,686,844	51,359	1,635,484
2013	173,754	1,440,126	1,613,880	48,994	1,564,886
2014	180,245	1,609,059	1,789,304	56,023	1,733,281
2015	199,476	1,664,556	1,864,032	67,348	1,796,684
2016	167,023	1,701,002	1,868,025	48,659	1,819,366
2017	**176,006**	**1,908,019**	**2,084,025**	**30,966**	**2,053,059**

(1) Commercial landings were converted to heads-off weight by using these conversion factors: South Atlantic and Gulf, 0.629; and New England, Pacific and other, 0.57.

(2) Imports were converted to heads-off weight by using these conversion factors: breaded, 0.63; shell-on, 1.00; peeled raw, 1.28; canned, 2.52; and other, 2.40.

(3) Exports were converted to heads-off weight by using these conversion factors: domestic fresh and frozen, 1.18; canned, 2.02; other, 2.40; foreign--fresh and frozen, 1.00; canned, 2.52; and other, 2.40.

U.S. SUPPLY OF FISH MEAL, 2008-2017 (product weight)

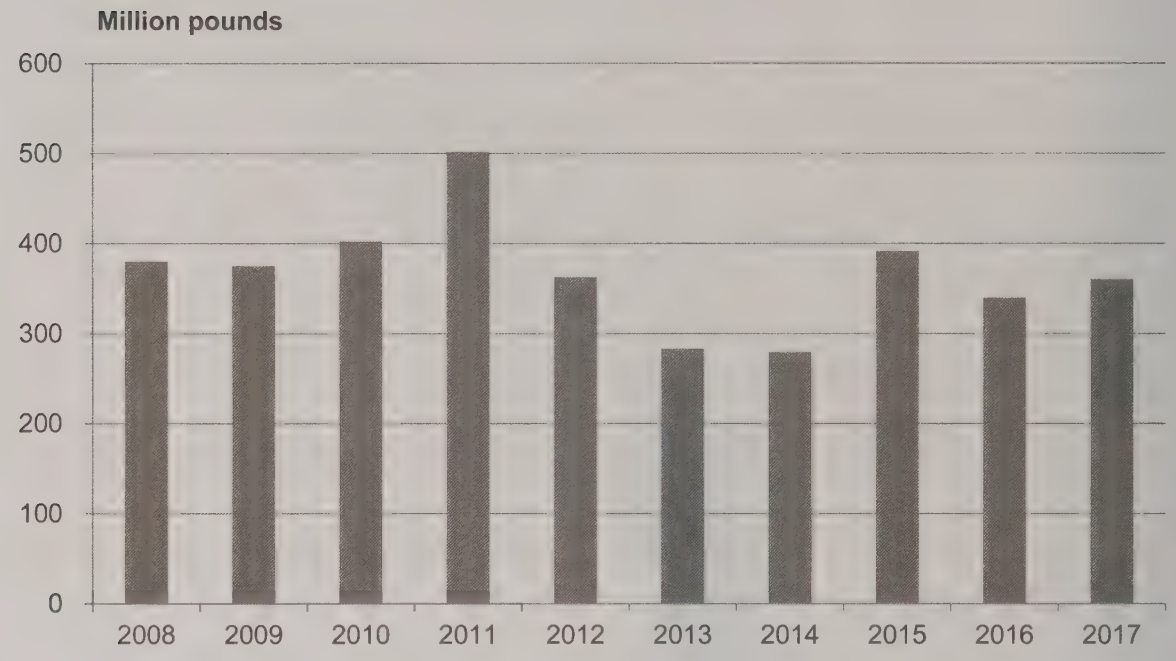
Year	U.S. Production (1)	Imports	Total	Exports	Total Supply
	Thousand pounds				
2008	492,828	84,042	576,870	196,483	380,387
2009	472,805	76,731	549,536	174,613	374,923
2010	487,692	86,251	573,943	171,240	402,702
2011	620,823	75,858	696,681	195,017	501,664
2012	585,565	95,532	681,097	318,803	362,294
2013	508,056	105,192	613,248	330,280	282,969
2014	515,000	117,653	632,653	353,325	279,328
2015	610,362	109,117	719,479	327,701	391,778
2016	559,132	120,517	679,649	339,881	339,768
2017	**568,735**	**138,058**	**706,793**	**346,053**	**360,740**

(1) Includes shellfish meal.

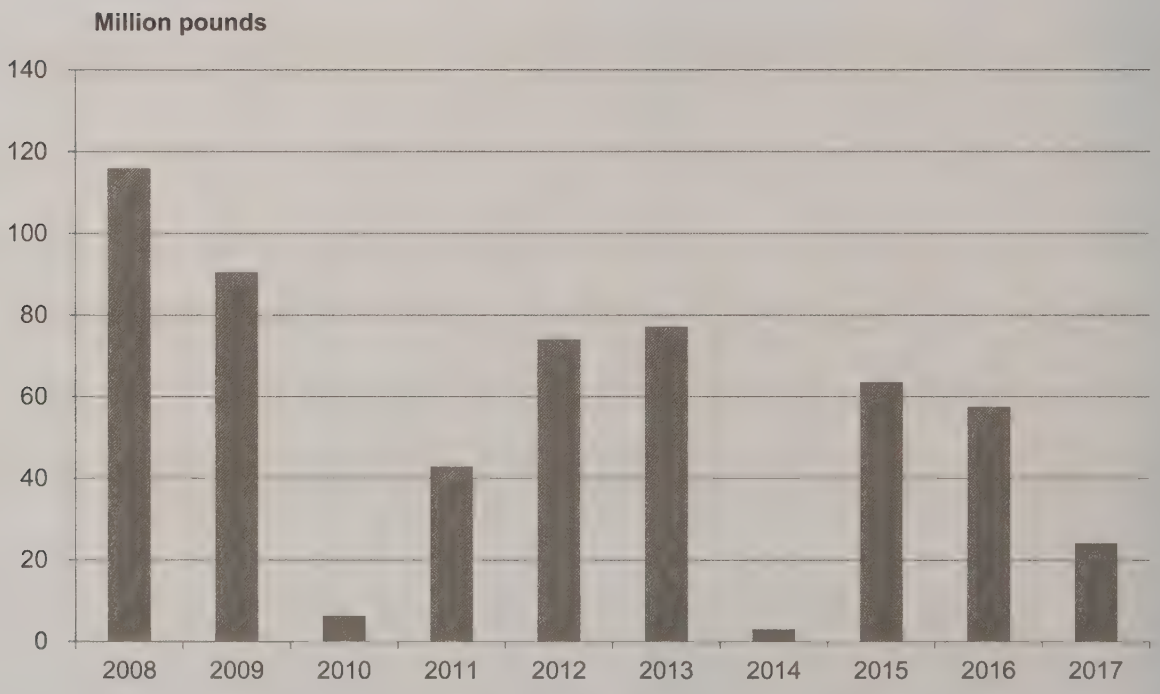
U.S. SUPPLY OF FISH OILS, 2008-2017 (product weight)

Year	U.S. Production	Imports	Total	Exports	Total Supply
	Thousand pounds				
2008	190,023	53,779	243,802	127,843	115,959
2009	168,157	34,341	202,498	111,938	90,560
2010	136,362	45,061	181,423	174,985	6,437
2011	143,171	48,880	192,051	149,071	42,981
2012	115,090	52,055	167,145	92,983	74,162
2013	175,876	53,040	228,916	151,650	77,266
2014	139,005	41,354	180,359	177,232	3,127
2015	139,951	44,780	184,731	121,077	63,654
2016	177,459	46,749	224,208	166,595	57,613
2017	**112,236**	**51,017**	**163,253**	**139,035**	**24,218**

U.S. Supply of Fish Meal, 2008-2017



U.S. Supply of Fish Oils, 2008-2017



Per Capita Consumption

The NMFS calculation of per capita consumption is based on a "disappearance" model. The total U.S. supply of imports and landings is converted to edible weight; decreases in supply, such as exports and industrial uses, are subtracted. The remaining total is divided by the U.S. population to estimate per capita consumption. Data for the model are derived primarily from secondary sources and are subject to incomplete reporting. Changes in source data, invalid model assumptions, or inaccurate or outdated conversion factors may each have a significant effect on the resulting calculation.

Estimated U.S. per capita consumption of fish and shellfish was 16.0 pounds (edible meat) in 2017. This total is an increase of 1.1 pounds from the 14.9 pounds consumed in 2016, primarily due to increases in the consumption of fresh and frozen seafood and canned seafood. This increase represents the highest consumption level since 2009. The 2017 level of fresh and frozen consumption of 12.1 pounds is a 0.8 pound increase from the 2016 figure and is the highest since 2007. The increase in consumption of canned seafood products was driven by an increase in canned salmon production in 2017. The model used to calculate consumption does not take into account inventories of products on hand at the beginning and end of the year, so all production is assumed to be consumed in the year it is produced. Because the primary salmon that is canned, pink salmon, generally has a large harvest every other year, small fluctuations in the consumption of canned products will result. The strong pink salmon harvest in 2017 leads to a higher consumption figure. It is reasonable to assume that some salmon canned in 2017 will actually be consumed in 2018. It may be better to combine consecutive years to derive a more realistic figure of canned salmon consumption.

Of the per capita consumption of fresh and frozen products, fresh and frozen finfish accounted for 6.2 pounds, while fresh and frozen shellfish consumption was 5.8 pounds per capita. Consumption of canned fishery products was 3.6 pounds per capita in 2017, up 0.3 pounds from 2016. Cured fish accounted for 0.3 pounds per capita, the same as in previous years.

NOAA calculates the percent of edible seafood consumption that is made up of imports by converting all imports, exports, domestic landings, and domestic processing into a common, standard edible meat weight. Numerous conversion factors are used to calculate this edible meat weight standard, and the accuracy and variability of these factors are likely to affect the overall calculation. In addition, this figure may include a substantial amount of domestic catch that was exported for further processing and returned to the United States as an import in a processed form. This measure has been rising in recent years and reflects the increase in imported seafood. Since 2010 the number has been greater than 85 percent each year and the corresponding figure for 2017 is 91 percent. However, NOAA Fisheries believes that the existing model may overestimate this percentage. Therefore, while seafood imports are rising, the exact percentage of consumption from imports is difficult to know. We plan to investigate better ways to report consumption and indicate the Nation's dependence on imported seafood.

WORLD CONSUMPTION

The calculation used by the Food and Agriculture Organization of the United Nations for apparent consumption is also based on a disappearance model, but with slightly different assumptions and based on a round-weight standard. The 3-year average considers a country's landings, imports, and exports. The average data from 2011 to 2013, and 2012 population figures, indicate that the U.S. now ranks as the second largest consumer of seafood in the world after China.

Annual per capita consumption of seafood products represents the pounds of edible meat consumed from domestically caught and imported fish and shellfish adjusted for exports, divided by the civilian resident population of the United States as of July 1 of each year.

U.S. ANNUAL PER CAPITA CONSUMPTION OF COMMERCIAL FISH AND SHELLFISH, 1910-2017

Year	Civilian Resident Population July 1 (1)	Per Capita Consumption			
		Fresh and Frozen (2)	Canned (3)	Cured (4)	Total
	Million persons	--------Pounds, edible meat--------			
1910	92.2	4.5	2.8	3.9	11.2
1920	106.5	6.3	3.2	2.3	11.8
1930	122.9	5.8	3.4	1.0	10.2
1940	132.1	5.7	4.6	0.7	11.0
1950	150.8	6.3	4.9	0.6	11.8
1960	178.1	5.7	4.0	0.6	10.3
1970	201.9	6.9	4.5	0.4	11.8
1980	225.6	7.9	4.3	0.3	12.5
1990	247.8	9.6	5.1	0.3	15.0
1991	250.5	9.7	4.9	0.3	14.9
1992	253.5	9.9	4.6	0.3	14.8
1993	256.4	10.2	4.5	0.3	15.0
1994	259.2	10.4	4.5	0.3	15.2
1995	261.4	10.0	4.7	0.3	15.0
1996	264.0	10.0	4.5	0.3	14.8
1997	266.4	9.9	4.4	0.3	14.6
1998	269.1	10.2	4.4	0.3	14.9
1999	271.5	10.4	4.7	0.3	15.4
2000	280.9	10.2	4.7	0.3	15.2
2001	283.6	10.3	4.2	0.3	14.8
2002	287.1	11.0	4.3	0.3	15.6
2003 (5)	289.6	11.4	4.6	0.3	16.3
2004	292.4	11.8	4.5	0.3	*16.6
2005	295.3	11.6	4.3	0.3	16.2
2006	298.2	*12.3	3.9	0.3	16.5
2007	300.5	12.1	3.9	0.3	16.3
2008	302.9	11.8	3.9	0.3	16.0
2009	305.8	12.0	3.7	0.3	16.0
2010	308.4	11.6	3.9	0.3	15.8
2011	310.4	10.9	3.8	0.3	15.0
2012	312.7	10.5	3.6	0.3	14.4
2013	314.9	10.5	3.7	0.3	14.5
2014	317.6	10.9	3.4	0.3	14.6
2015	320.2	11.5	3.7	0.3	15.5
2016	321.9	11.3	3.3	0.3	14.9
2017	**324.5**	**12.1**	**3.6**	**0.3**	**16.0**

(1) Resident population is used for 1910 and 1920 and civilian resident population is used since 1930.
(2) Fresh and frozen fish consumption for 1910 and 1920 is estimated. Beginning in 1973, data include consumption of cultivated catfish.
(3) Canned fish consumption for 1920 is estimated. Beginning in 1921, it is based on production reports, packer stocks, and foreign trade statistics for individual years
(4) Cured fish consumption for 1910 and 1920 is estimated.
(5) The use of beginning and ending inventories was discontinued as of 2003.
*Record years: Fresh & Frozen -- 12.3,2006; Canned -- 5.8, 1936; Cured -- 4.0, 1909.

U.S. ANNUAL PER CAPITA CONSUMPTION OF CANNED FISHERY PRODUCTS, 1985-2017

Year	Salmon	Sardines	Tuna	Shellfish	Other	Total
	Pounds					
1985	0.5	0.3	3.3	0.5	0.4	5.0
1986	0.5	0.3	3.6	0.5	0.5	5.4
1987	0.4	0.3	3.5	0.5	0.5	5.2
1988	0.3	0.3	3.6	0.4	0.3	4.9
1989	0.3	0.3	3.9	0.4	0.2	5.1
1990	**0.4**	**0.3**	**3.7**	**0.3**	**0.4**	**5.1**
1991	0.5	0.2	3.6	0.4	0.2	4.9
1992	0.5	0.2	3.5	0.3	0.1	4.6
1993	0.4	0.2	3.5	0.3	0.1	4.5
1994	0.4	0.2	3.3	0.3	0.3	4.5
1995	0.5	0.2	3.4	0.3	0.3	4.7
1996	0.5	0.2	3.2	0.3	0.3	4.5
1997	0.4	0.2	3.1	0.3	0.4	4.4
1998	0.3	0.2	3.4	0.3	0.2	4.4
1999	0.3	0.2	3.5	0.4	0.3	4.7
2000	**0.3**	**0.2**	**3.5**	**0.3**	**0.4**	**4.7**
2001	0.4	0.2	2.9	0.3	0.4	4.2
2002	0.5	0.1	3.1	0.3	0.3	4.3
2003	0.4	0.1	3.4	0.4	0.3	4.6
2004	0.3	0.1	3.3	0.4	0.4	4.5
2005	0.4	0.1	3.1	0.4	0.3	4.3
2006	0.2	0.2	2.9	0.4	0.2	3.9
2007	0.3	0.2	2.7	0.4	0.3	3.9
2008	0.1	0.2	2.8	0.4	0.4	3.9
2009	0.2	0.2	2.5	0.4	0.4	3.7
2010	**0.2**	**0.2**	**2.7**	**0.4**	**0.4**	**3.9**
2011	0.2	0.2	2.6	0.4	0.4	3.8
2012	0.2	0.2	2.4	0.4	0.4	3.6
2013	0.4	0.2	2.3	0.4	0.4	3.7
2014	0.1	0.2	2.3	0.4	0.4	3.4
2015	0.3	0.2	2.2	0.5	0.5	3.7
2016	0.0	0.2	2.1	0.5	0.5	3.3
2017	**0.3**	**0.3**	**2.1**	**0.5**	**0.6**	**3.6**

U.S. ANNUAL PER CAPITA CONSUMPTION OF CERTAIN FISHERY ITEMS, 1985-2017

Year	Fillets and Steaks (1)	Sticks and Portions	Shrimp, All Preparations
	Pounds (2)		
1985	3.2	1.8	2.0
1986	3.4	1.8	2.2
1987	3.6	1.7	2.4
1988	3.2	1.5	2.4
1989	3.1	1.5	2.3
1990	**3.1**	**1.5**	**2.2**
1991	3.0	1.2	2.4
1992	2.9	0.9	2.5
1993	2.9	1.0	2.5
1994	3.1	0.9	2.6
1995	2.9	1.2	2.5
1996	3.0	1.0	2.5
1997	3.0	1.0	2.7
1998	3.2	0.9	2.8
1999	3.2	1.0	3.0
2000	**3.6**	**0.9**	**3.2**
2001	3.7	0.8	3.4
2002	4.1	0.8	3.7
2003	4.3	0.7	4.0
2004	4.6	0.7	4.2
2005	5.0	0.9	4.1
2006	5.2	0.9	4.4
2007	5.0	0.9	4.1
2008	4.8	1.0	4.1
2009	4.6	0.7	4.1
2010	**5.0**	**0.9**	**4.0**
2011	5.0	0.9	4.2
2012	5.6	0.7	3.8
2013	5.9	0.6	3.6
2014	5.9	0.6	4.0
2015	*5.9	0.7	4.0
2016	5.8	0.5	4.1
2017	**5.8**	**0.6**	***4.4**

(1) Data include groundfish and other species. Data do not include blocks, but fillets could be made into blocks from which sticks and portions could be produced.

(2) Product weight of fillets and steaks, sticks and portions; edible (meat) weight of shrimp.

* Record

PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 2011-2013 AVERAGE

Region and Country	Estimated Live Weight Equivalent	
	Kilograms	Pounds
North America:		
Bermuda	45.2	99.6
Canada	22.4	49.3
Greenland	86.4	190.5
Saint Pierre & Miquelon	73.0	160.9
United States	21.4	47.2
Caribbean:		
Anguilla	49.6	109.4
Antigua and Barbuda	56.0	123.5
Aruba	47.1	103.9
Bahamas	29.0	63.9
Barbados	39.5	87.0
British Virgin Islands	28.6	63.0
Cayman Islands	16.6	36.5
Cuba	5.5	12.2
Dominica	21.4	47.3
Dominican Republic	10.1	22.3
Grenada	28.8	63.4
Guadeloupe	21.2	46.7
Haiti	4.5	9.9
Jamaica	26.3	57.9
Martinique	12.2	27.0
Montserrat	33.6	74.1
Puerto Rico	0.4	0.8
Saint Kitts & Nevis	35.2	77.6
Saint Lucia	24.6	54.2
Saint Vincent	18.3	40.3
Trinidad & Tobago	24.1	53.2
Turks & Caicos	49.1	108.1
U.S. Virgin Islands	5.7	12.6
Latin America:		
Argentina	6.3	13.9
Belize	14.2	31.2
Bolivia	2.2	4.9
Brazil	9.6	21.2
Chile	13.7	30.2
Colombia	6.2	13.8
Costa Rica	13.1	28.9
Ecuador	8.4	18.6
El Salvador	7.0	15.5
Falkland Islands	42.4	93.5
French Guiana	16.3	36.0
Guatemala	2.5	5.4
Guyana	30.3	66.8
Honduras	3.9	8.7
Mexico	12.0	26.4
Nicaragua	5.4	11.9
Panama	13.8	30.4
Paraguay	3.9	8.5
Peru	21.4	47.2
Suriname	17.2	38.0
Uruguay	7.0	15.5
Venezuela	10.0	22.0

Region and Country	Estimated Live Weight Equivalent	
	Kilograms	Pounds
Europe:		
Albania	5.2	11.5
Armenia	3.7	8.1
Austria	14.0	30.8
Azerbaijan	2.4	5.4
Belarus	15.4	34.0
Belgium	25.5	56.2
Bosnia-Herzegovina	4.5	10.0
Bulgaria	6.2	13.6
Croatia	19.1	42.1
Czech Republic	8.8	19.3
Denmark	23.0	50.8
Estonia	13.1	28.8
Faroe Islands	86.5	190.7
Finland	35.6	78.5
France	34.0	75.0
Georgia	8.1	17.9
Germany	13.5	29.8
Greece	19.1	42.2
Hungary	5.1	11.3
Iceland	91.9	202.6
Ireland	21.1	46.5
Italy	25.8	56.9
Kazakhstan	5.0	11.0
Kyrgyzstan	2.5	5.6
Latvia	23.4	51.7
Lithuania	30.5	67.3
Luxembourg	33.5	73.9
Macedonia	5.5	12.1
Malta	31.9	70.2
Moldova	13.3	29.2
Montenegro	11.6	25.6
Netherlands	22.6	49.8
Norway	52.8	116.3
Poland	10.2	22.5
Portugal	54.1	119.3
Romania	5.2	11.4
Russian Federation	23.0	50.8
Serbia	6.9	15.2
Slovakia	8.0	17.7
Slovenia	10.6	23.4
Spain	41.9	92.4
Sweden	31.4	69.1
Switzerland	17.6	38.8
Tajikistan	0.5	1.1
Turkmenistan	3.7	8.2
Ukraine	15.1	33.4
United Kingdom	20.5	45.1
Uzbekistan	0.7	1.6
Near East:		
Afghanistan	0.1	0.2
Bahrain	11.7	25.8
Cyprus	22.1	48.8
Egypt	22.2	49.0
Iran	9.6	21.1
Iraq	3.3	7.2

PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 2011-2013 AVERAGE

Region and Country	Estimated Live Weight Equivalent	
	Kilograms	Pounds
Israel	22.7	50.0
Jordan	6.5	14.3
Kuwait	14.5	31.9
Lebanon	11.3	24.8
Oman	27.6	60.9
Qatar	23.0	50.7
Saudi Arabia	12.6	27.8
Syria	2.8	6.1
Turkey	6.3	13.9
United Arab Emirates	25.0	55.2
Yemen	4.4	9.6
Far East:		
Bangladesh	20.5	45.2
Bhutan	5.9	13.0
Brunei	42.1	92.7
Burma	58.0	127.8
Cambodia	40.9	90.1
China	36.1	79.5
China - Hong Kong	68.2	150.4
China - Macao	56.4	124.3
India	5.7	12.7
Indonesia	30.1	66.3
Japan	50.8	112.1
Laos	21.2	46.7
Malaysia	58.9	129.7
Maldives	188.2	414.9
Mongolia	0.9	2.0
Nepal	2.3	5.0
North Korea	10.3	22.6
Pakistan	1.9	4.2
Philippines	31.3	69.0
Singapore	49.8	109.9
South Korea	57.1	125.8
Sri Lanka	29.2	64.3
Taiwan	34.0	75.0
Thailand	26.7	58.9
Timor-Leste	6.4	14.1
Vietnam	35.0	77.2
Africa:		
Algeria	4.0	8.8
Angola	18.5	40.8
Benin	13.1	28.9
Botswana	4.0	8.8
Burkina Faso	6.9	15.1
Burundi	1.8	3.9
Cameroon	16.1	35.5
Cabo Verde	11.2	24.6
Central African Republic	8.5	18.8
Chad	8.5	18.8
Comoros	15.9	35.1
Congo (Brazzaville)	25.0	55.1
Congo (Kinshasa)	5.3	11.8
Côte d'Ivoire	16.9	37.2
Djibouti	3.5	7.7
Equatorial Guinea	24.6	54.3
Eritrea	0.6	1.3
Ethiopia	0.3	0.7
Gabon	35.0	77.1

Region and Country	Estimated Live Weight Equivalent	
	Kilograms	Pounds
Gambia	23.3	51.3
Ghana	26.3	58.1
Guinea	10.5	23.2
Guinea-Bissau	1.6	3.6
Kenya	4.1	9.1
Lesotho	1.5	3.4
Liberia	4.3	9.5
Libya	20.8	45.9
Madagascar	4.8	10.6
Malawi	7.1	15.6
Mali	7.5	16.6
Mauritania	8.2	18.1
Mauritius	23.2	51.1
Morocco	16.6	36.6
Mozambique	9.3	20.6
Namibia	12.4	27.4
Niger	2.9	6.5
Nigeria	13.9	30.7
Rwanda	4.3	9.6
Saint Helena	71.6	157.8
Sao Tome and Principe	29.4	64.7
Senegal	23.9	52.6
Seychelles	57.4	126.5
Sierra Leone	33.3	73.4
Somalia	3.1	6.7
South Africa	6.5	14.3
South Sudan	3.3	7.4
Swaziland	1.9	4.2
Tanzania	6.6	14.5
Togo	11.6	25.6
Tunisia	13.4	29.5
Uganda	12.9	28.5
Zambia	8.1	18.0
Zimbabwe	3.1	6.7
Oceania:		
American Samoa	6.0	13.1
Australia	26.3	58.0
Cook Islands	60.2	132.7
Fiji	35.3	77.8
French Polynesia	48.1	106.0
Kiribati	76.1	167.8
Marshall Islands	18.2	40.0
Micronesia	48.5	106.9
Nauru	51.9	114.3
New Caledonia	27.9	61.5
New Zealand	25.0	55.2
Palau	59.8	131.8
Papua New Guinea	17.2	37.9
Samoa	48.4	106.8
Solomon Islands	36.0	79.5
Tonga	24.6	54.3
Tuvalu	48.3	106.4
Vanuatu	32.8	72.4
Wallis & Futuna	64.1	141.3
World	**19.4**	**42.8**

Note: Data are preliminary and refer to per capita consumption of fish, crustaceans and mollusks.

Source: Food and Agriculture Organization of the United Nations (FAO)

Industry Information

SUMMARY OF 2017 VALUE ADDED, MARGINS, AND CONSUMER EXPENDITURES FOR COMMERCIAL MARINE FISHERY PRODUCTS IN THE UNITED STATES (1)

Sector or Type of Activity	Purchase of Fishery Inputs	Mark-up of fishery inputs	Total Mark-Up Within Sector	Value Added as Percent of Total Markup	Value Added Within Sector	Value of Sales by Sector	Value Added Contribution	Offshore Fleet & Exported Fishery Products
	Thousand Dollars	Percentage of Fishery Inputs	Thousand Dollars	Percentage	Thousand Dollars	Thousand Dollars	Percentage of GNP Contribution	Thousand Dollars
Domestic Harvest:								
Edible	-	100%	5,325,258	63%	3,378,934	5,325,258	7%	-
Industrial	-	100%	125,495	61%	76,442	125,495	0%	-
Harvest not landed in U.S	-	100%	359,437	69%	248,208	359,437	0%	359,437
Imports, Unprocessed	7,528,660	-	-	-	-	7,528,660	-	-
Exports, Unprocessed	-	-	-	-	-	-	-	2,058,066
Primary Wholesale and Processing	10,921,347	80%	8,765,404	60%	5,286,632	19,686,751	10%	-
Imports, Processed	14,504,049	-	-	-	-	14,504,049	-	-
Exports, Processed	-	-	-	-	-	-	-	4,034,034
Secondary Wholesale and Processing:								
Edible	30,132,284	63%	18,895,985	28%	5,299,103	49,028,269	10%	-
Industrial	24,482	63%	15,353	28%	4,305	39,835	0%	-
Retail Trade from Food Service	24,662,662	182%	44,986,199	70%	31,383,777	69,648,861	62%	-
Retail Trade from Stores	24,365,607	33%	8,143,542	64%	5,230,722	32,509,149	10%	-
TOTAL DOCKSIDE VALUE OF EXPORTED FISHERY PRODUCTS (& HARVEST NOT LANDED IN U.S. PORTS):								**6,451,537**
TOTAL U.S. VALUE ADDED ACTIVITY:					**50,908,123**		**100**	
CONSUMERS EXPENDITURES (& WHOLESALE PURCHASES OF INDUSTRIAL PRODUCTS) FOR FISHERY PRODUCTS:						**102,197,845**		

(1) Includes industrial products and landings by U.S.-flag vessels at U.S. ports, foreign ports, and transfers to internal water processing vessels.

Note: The table reports the contribution of commercial marine fishing to the national economy as measured by margin, value added, and sales. These measures are consistent with the Bureau of the Census definitions.

Margin or mark-up is the difference between the price paid for the product by the consumer or wholesale purchaser and the dockside or wholesale value for an equivalent weight of the product. It is assumed that fishermen catch their fish without paying purchase price and therefore the entire dockside or ex-vessel price is considered margin. Value added is a measure of the factors added to the total worth of a product at each stage of the production process. It is defined as the gross receipts of firms minus the cost of purchased goods and services needed to fabricate the products. Gross National Product (GNP) is equal to the sum of the value added of all economic entities in the economy. Value added within a sector represents that sector's contribution to GNP.

Value added includes wages, salaries, interest, depreciation, rent, taxes and profit. Consumer expenditures are the final retail value of seafood products sold through stores and food service outlets plus secondary wholesale and processing of industrial products.

Note: This is the last year this table will be published in Fisheries of the United States. For information on the value added to gross domestic product by the commercial fishing and seafood industry, see the NOAA Fisheries Publication: Fisheries Economics of the United States.

PROCESSORS AND WHOLESALERS: PLANTS AND EMPLOYMENT, 2016

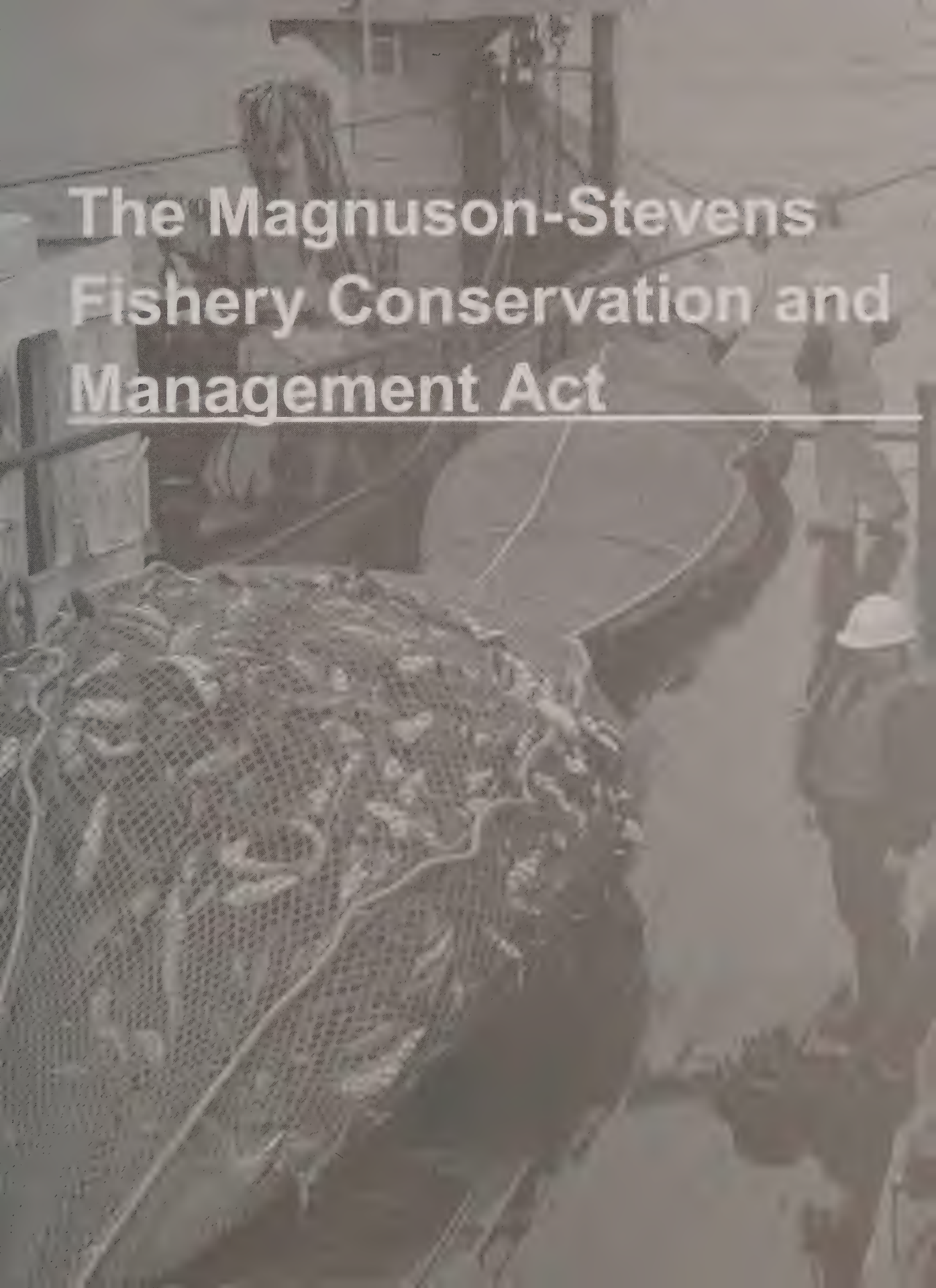
Area and State	Processing (1)		Wholesale (2)		Total	
	Plants	Employment	Plants	Employment	Plants	Employment
	Number					
New England:						
Maine	37	837	181	1,338	218	2,175
New Hampshire	8	201	10	92	18	293
Massachusetts	50	2,286	149	2,304	199	4,590
Rhode Island	9	(3)	30	(3)	39	(3)
Connecticut	4	78	18	197	22	275
Total	**108**	**3,402**	**388**	**3,931**	**496**	**7,333**
Middle Atlantic:						
New York	20	419	270	2,123	290	2,542
New Jersey	17	612	82	965	99	1,577
Pennsylvania	5	83	32	709	37	792
Delaware	3	(3)	6	19	9	19
District of Columbia	-	-	3	-	3	(3)
Maryland	18	371	44	729	62	1,100
Virginia	33	1,448	64	519	97	1,967
Total	**96**	**2,933**	**501**	**5,064**	**597**	**7,997**
South Atlantic:						
North Carolina	29	702	62	627	91	1,329
South Carolina	3	(3)	23	169	26	169
Georgia	6	769	37	795	43	1,564
Florida	41	1,631	326	2,687	367	4,318
Total	**79**	**3,102**	**448**	**4,278**	**527**	**7,380**
Gulf:						
Alabama	34	1,420	13	237	47	1,657
Mississippi	23	2,425	20	129	43	2,554
Louisiana	59	1,625	105	703	164	2,328
Texas	52	1,611	137	1,334	189	2,945
Total	**168**	**7,081**	**275**	**2,403**	**443**	**9,484**
Pacific:						
Alaska	148	9,749	11	38	159	9,787
Washington	89	6,328	145	1,598	234	7,926
Oregon	30	1,141	26	525	56	1,666
California	42	1,073	384	4,820	426	5,893
Hawaii	2	(3)	34	688	36	688
Total	**311**	**18,291**	**600**	**7,669**	**911**	**25,960**
Inland States or Other Areas (4): Total	**67**	**1,631**	**241**	**3,105**	**308**	**4,736**
Grand Total	**829**	**36,440**	**2,453**	**26,450**	**3,282**	**62,890**

(1) Data are based on North American Industry Classification System (NAICS) 3117 as reported to the Bureau of Labor Statistics.
(2) Data are based on North American Industry Classification System (NAICS) 42446 as reported to the Bureau of Labor Statistics.
(3) Included with Inland States.
(4) Includes Puerto Rico and Virgin Islands

PROCESSORS AND WHOLESALERS: PLANTS AND EMPLOYMENT, 2017

Area and State	Processing (1)		Wholesale (2)		Total	
	Plants	Employment	Plants	Employment	Plants	Employment
	Number					
New England:						
Maine	35	755	184	1,389	219	2,144
New Hampshire	7	(3)	10	98	17	95
Massachusetts	50	2226	152	2,416	202	4,642
Rhode Island	9	(3)	30	(3)	39	(3)
Connecticut	4	78	19	(3)	23	78
Total	**105**	**3,056**	**395**	**3,903**	**500**	**6,959**
Middle Atlantic:						
New York	20	405	275	2,201	295	2,606
New Jersey	19	604	77	979	96	1,583
Pennsylvania	5	88	33	737	38	825
Delaware	3	(3)	7	24	10	24
District of Columbia	-	-	3	(3)	3	(3)
Maryland	18	355	43	764	61	1,119
Virginia	35	1,444	64	533	99	1,977
Total	**100**	**2,896**	**502**	**5,238**	**602**	**8,134**
South Atlantic:						
North Carolina	27	665	65	694	92	1,359
South Carolina	3	(3)	22	170	25	170
Georgia	6	719	35	810	41	1,529
Florida	41	1,634	311	2,639	352	4,273
Total	**77**	**3,018**	**433**	**4,313**	**510**	**7,331**
Gulf:						
Alabama	34	1,431	12	253	46	1,684
Mississippi	23	2,468	21	127	44	2,595
Louisiana	63	1,697	103	735	166	2,432
Texas	51	1,622	140	1,383	191	3,005
Total	**171**	**7,218**	**276**	**2,498**	**447**	**9,716**
Pacific:						
Alaska	145	9,435	13	52	158	9,487
Washington	85	5,854	154	1,690	239	7,544
Oregon	32	1,172	27	525	59	1,697
California	42	1,074	406	4,944	448	6,018
Hawaii	2	(3)	35	721	37	721
Total	**306**	**17,535**	**635**	**7,932**	**941**	**25,467**
Inland States or Other Areas (4): Total	**60**	**1,847**	**245**	**3,501**	**305**	**5,348**
Grand Total	**819**	**35,570**	**2,486**	**27,385**	**3,305**	**62,955**

(1) Data are based on North American Industry Classification System (NAICS) 3117 as reported to the Bureau of Labor Statistics.
(2) Data are based on North American Industry Classification System (NAICS) 42446 as reported to the Bureau of Labor Statistics.
(3) Included with Inland States.
(4) Includes Puerto Rico and Virgin Islands



The Magnuson-Stevens Fishery Conservation and Management Act

The Magnuson-Stevens Fishery Conservation and Management Act

The Magnuson-Stevens Fishery Conservation and Management Act (Magnuson-Stevens Act), amended on January 12, 2007 by Public Law 109-479, provides for the conservation and management of fishery resources within the U.S. Exclusive Economic Zone (EEZ). It also provides for fishery management authority over continental shelf resources and anadromous species beyond the EEZ, except when they are found within a foreign nation's territorial sea or fishery conservation zone (or equivalent).

The EEZ extends from the seaward boundary of each of the coastal States (generally 3 nautical miles from shore) to 200 nautical miles from shore. The seaward boundaries of Texas, Puerto Rico, and the Gulf coast of Florida are 3 marine leagues (9 nautical miles). The EEZ encompasses approximately 3.36 million square nautical miles.

GOVERNING INTERNATIONAL FISHERY AGREEMENT

Under the Magnuson-Stevens Act, the Secretary of State, in cooperation with the Secretary of Commerce, negotiates Governing International Fishery Agreements (GIFAs) with foreign nations requesting to fish within the EEZ. After a GIFA is signed, it is transmitted by the President to the Congress for ratification.

FOREIGN FISHING PERMITS

Title II of the Magnuson-Stevens Act governs foreign fishing in U.S. waters. As U.S. fishing capacity has grown, foreign participation has diminished in directed fisheries, as well as in foreign joint ventures in which U.S. vessels delivered U.S. harvested fish to permitted foreign vessels in the EEZ. The last directed fishing by foreign vessels occurred in 2001 when a small quantity of Atlantic herring was harvested by foreign vessels. The displacement of directed foreign fishing effort in the EEZ marked the achievement of one of the objectives of the Magnuson-Stevens Act: the development of the U.S. fishing industry to take, what were in 1976, underutilized species.

NMFS continues to maintain certain regulations pertaining to foreign fishing should there be a situation in the future in which allowing limited foreign fishing in an underutilized fishery would be advantageous to the U.S. fishing industry.

FMPS AND PMPS

Under the Magnuson-Stevens Act, eight Regional Fishery Management Councils are charged with preparing Fishery Management Plans (FMPs) for the fisheries needing management within their areas of authority. After the Councils prepare FMPs that cover domestic and foreign fishing efforts, the FMPs are submitted to the Secretary of Commerce (Secretary) for approval and implementation. The Department, through NMFS Office of Law Enforcement and the U.S. Coast Guard, is responsible for enforcing the law and regulations.

The Secretary, when notified by the Secretary of State that any foreign nation has submitted an application under section 204(b) of the MSA, shall prepare a preliminary fishery management plan (PMP) if the Secretary determines that no fishery management plan for that fishery will be prepared and implemented. Under Section 304(c) of the MSA the Secretary may also prepare an FMP if a Council fails to develop one. In this latter case, the Secretary's FMP covers domestic and foreign fishing.

The Secretary shall prepare FMPs for highly migratory species that are within the geographical area of authority of more than one of the following Councils: New England, Mid-Atlantic, South Atlantic, Gulf, and Caribbean. The Atlantic HMS fisheries are managed by the Secretary under the dual authority of the Magnuson-Stevens Act and the Atlantic Tunas Convention Act (ATCA). Atlantic tunas, Atlantic billfish, and North Atlantic swordfish are managed under the authority of both ATCA and the Magnuson-Stevens Act. South Atlantic swordfish are managed under the sole authority of ATCA. Atlantic sharks in the HMS management unit are managed under the authority of the Magnuson-Stevens Act.

Under section 304 of the Magnuson-Stevens Act, all Council-prepared FMPs must be reviewed for approval by the Secretary of Commerce. Approved FMPs are implemented by Federal regulations under section 305 of the Act. As of December 31, 2016, there are 46 FMPs in effect. Of these, one is a Secretarial FMP for Atlantic highly migratory species. The FMPs are listed next, under the responsible Council. FMPs may be amended by the Council and the amendments are submitted for approval under the same Secretarial review process as new FMPs. Most FMPs have been amended since initial implementation.

NEW ENGLAND FISHERY MANAGEMENT COUNCIL

1. Northeast Multispecies FMP
2. Northeast Skate Complex FMP
3. Deep-Sea Red Crab FMP
4. Atlantic Herring FMP
5. Atlantic Sea Scallop FMP
6. Monkfish FMP (joint w/ MAFMC)
7. Atlantic Salmon FMP

MID-ATLANTIC FISHERY MANAGEMENT COUNCIL

1. Spiny Dogfish FMP (joint w/ NEFMC)
2. Summer Flounder, Scup, and Black Sea Bass FMP
3. Atlantic Surfclam and Ocean Quahog FMP
4. Atlantic Mackerel, Squid, and Butterfish FMP
5. Bluefish FMP
6. Tilefish FMP

SOUTH ATLANTIC FISHERY MANAGEMENT COUNCIL

1. Pelagic Sargassum Habitat of the South Atlantic Region FMP
2. Snapper-Grouper Fishery of the South Atlantic Region FMP
3. Dolphin and Wahoo Fishery of the Atlantic FMP
4. Shrimp Fishery of the South Atlantic Region FMP
5. Golden Crab Fishery of the South Atlantic Region FMP
6. Coral, Coral Reefs, and Live/Hard Bottom Habitats of the South Atlantic Region FMP

GULF OF MEXICO FISHERY MANAGEMENT COUNCIL

1. Coastal Migratory Pelagics of the Gulf of Mexico and South Atlantic FMP (joint w/ SAFMC.)
2. Coral and Coral Reefs of the Gulf of Mexico FMP
3. Red Drum Fishery of the Gulf of Mexico FMP
4. Shrimp Fishery of the Gulf of Mexico FMP
5. Spiny Lobster in the Gulf of Mexico and South Atlantic FMP (joint w/SAFMC)
6. Reef Fish Resources of the Gulf of Mexico FMP
7. Regulating Offshore Marine Aquaculture in the Gulf of Mexico FMP

CARIBBEAN FISHERY MANAGEMENT COUNCIL

1. Spiny Lobster Fishery of Puerto Rico and the U.S. Virgin Islands FMP
2. Corals and Reef-Associated Plants and Invertebrates of Puerto Rico and the United States Virgin Islands FMP
3. Queen Conch Resources of Puerto Rico and the United States Virgin Islands FMP
4. Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands FMP

PACIFIC FISHERY MANAGEMENT COUNCIL

1. Pacific Coast Groundfish FMP
2. Pacific Coast Salmon FMP
3. Coastal Pelagic Species FMP
4. U.S. West Coast Fisheries for Highly Migratory Species FMP

NORTH PACIFIC FISHERY MANAGEMENT COUNCIL

1. Groundfish of the Bering Sea and Aleutian Islands FMP
2. Groundfish of the Gulf of Alaska FMP
3. Bering Sea and Aleutian Islands King and Tanner Crab FMP
4. Salmon Fisheries in the EEZ off the Coast of Alaska FMP
5. Scallop Fishery off Alaska FMP
6. Fish Resources of the Arctic Management Area FMP

WESTERN PACIFIC FISHERY MANAGEMENT COUNCIL

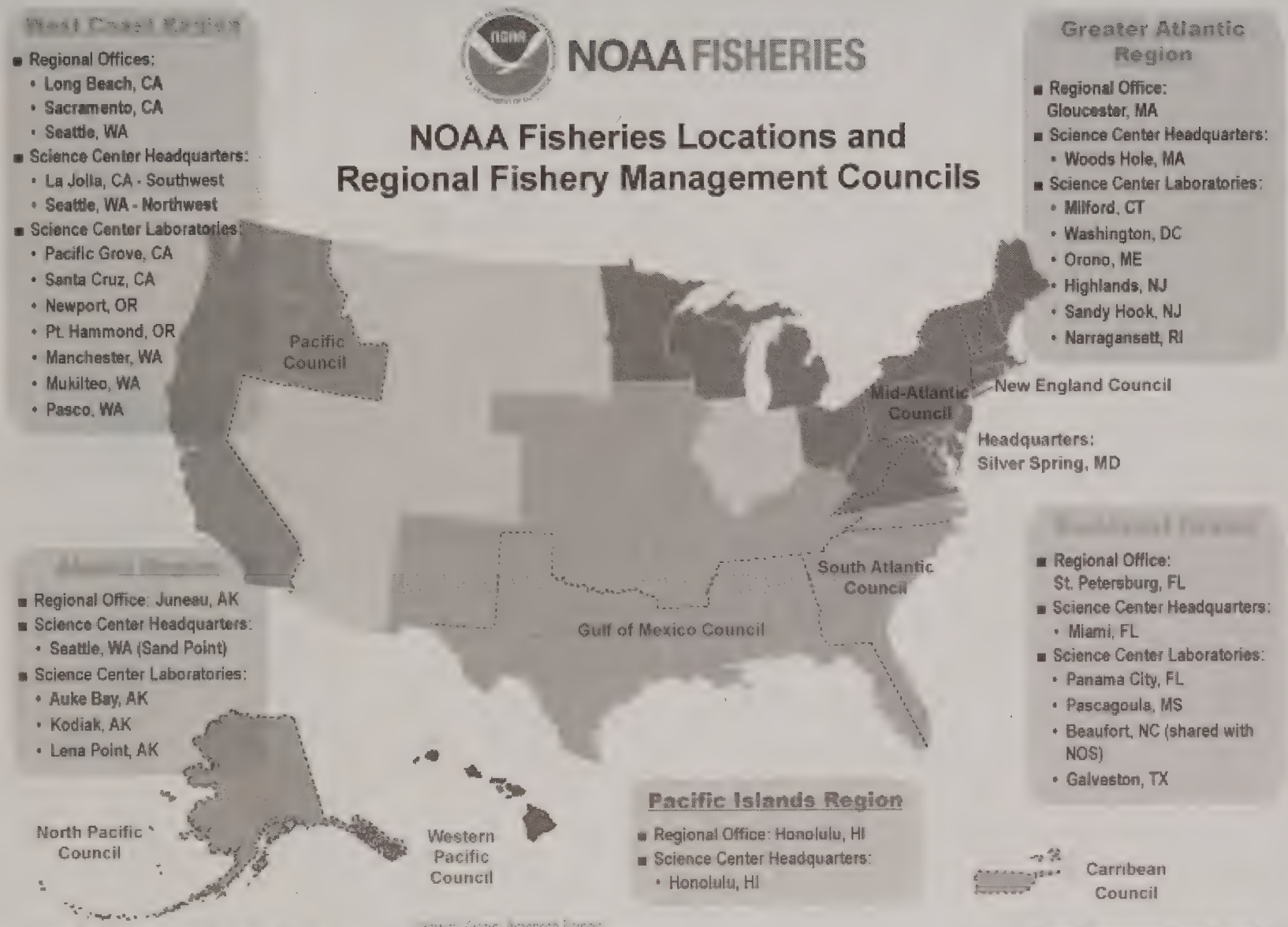
1. American Samoa Archipelago Ecosystem FEP
2. Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem FEP
3. Hawaii Archipelago Ecosystem FEP
4. Mariana Archipelago Ecosystem FEP
5. Pacific Remote Island Areas Ecosystem FEP

HIGHLY MIGRATORY SPECIES PLANS

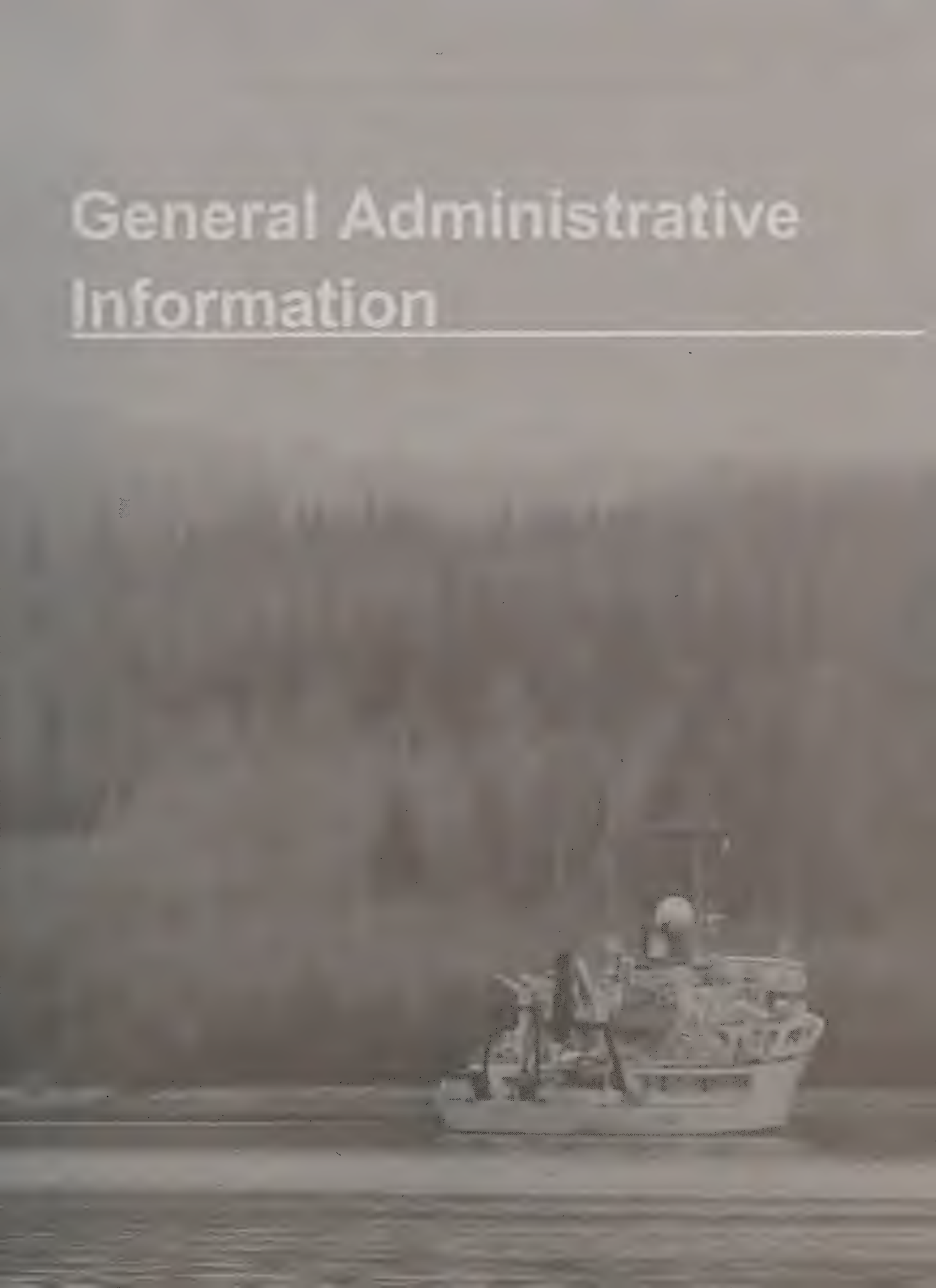
1. Consolidated Atlantic Highly Migratory Species FMP

REGIONAL FISHERY MANAGEMENT COUNCILS

Council	Constituent States	Telephone Number	Executive Directors and Addresses
NEW ENGLAND	(Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut)	(978) 465-0492 FAX: 978-465-3116	Thomas A. Nies 50 Water St., Mill 2 Newburyport, MA 01950
MID-ATLANTIC	(New York, New Jersey, Delaware, Pennsylvania, Maryland, Virginia, and North Carolina)	302-674-2331 FAX: 302-674-5399 Toll Free: 877-446-2362	Christopher M. Moore 800 North State Street Suite 201 Dover, DE 19901-3910
SOUTH ATLANTIC	(North Carolina, South Carolina, Georgia, and Florida)	843-571-4366 FAX: 843-769-4520 Toll Free: 866-723-6210	Gregg Waugh 4055 Faber Place Dr., Suite 201 N. Charleston, SC 29405
GULF OF MEXICO	(Texas, Louisiana, Mississippi, Alabama, and Florida)	813-348-1630 FAX: 813-348-1711 Toll Free: 888-833-1844	Carrie Simmons 2203 North Lois Ave., Suite 1100 Tampa, FL 33607
CARIBBEAN	(U.S. Virgin Islands and Commonwealth of Puerto Rico)	787-766-5926 FAX: 787-766-623-9270	Miguel A. Rolón 270 Muñoz Rivera Ave. Suite 401 San Juan, PR 00918
PACIFIC	(California, Washington, Oregon, and Idaho)	503-820-2280 FAX: 503-820-2299 Toll Free: 866-806-7204	Chuck Tracy 7700 NE Ambassador Place Suite 101 Portland, OR 97220
NORTH PACIFIC	(Alaska, Washington, and Oregon)	907-271-2809 FAX: 907-271-2817	David Witherell 605 West 4th Ave., Suite 306 Anchorage, AK 99501
WESTERN PACIFIC	(Hawaii, American Samoa, Guam, and Commonwealth of the Northern Mariana Islands)	808-522-8220 FAX: 808-522-8226	Kitty M. Simonds 1164 Bishop St. Suite 1400 Honolulu, HI 96813


NOAA FISHERIES
NOAA Fisheries Locations and Regional Fishery Management Councils
West Coast Region
■ Regional Offices:
• Long Beach, CA
• Sacramento, CA
• Seattle, WA
■ Science Center Headquarters:
• La Jolla, CA - Southwest
• Seattle, WA - Northwest
■ Science Center Laboratories:
• Pacific Grove, CA
• Santa Cruz, CA
• Newport, OR
• Pt. Hammond, OR
• Manchester, WA
• Mukilteo, WA
• Pasco, WA
Pacific Council
Greater Atlantic Region
■ Regional Office: Gloucester, MA
■ Science Center Headquarters:
• Woods Hole, MA
■ Science Center Laboratories:
• Milford, CT
• Washington, DC
• Orono, ME
• Highlands, NJ
• Sandy Hook, NJ
• Narragansett, RI
Mid-Atlantic Council
New England Council
Headquarters: Silver Spring, MD
South Atlantic Council
Gulf of Mexico Council
Alaska Region
■ Regional Office: Juneau, AK
■ Science Center Headquarters:
• Seattle, WA (Sand Point)
■ Science Center Laboratories:
• Auke Bay, AK
• Kodiak, AK
• Lena Point, AK
North Pacific Council
Western Pacific Council
Pacific Islands Region
■ Regional Office: Honolulu, HI
■ Science Center Headquarters:
• Honolulu, HI
Southeast Region
■ Regional Office: St. Petersburg, FL
■ Science Center Headquarters:
• Miami, FL
■ Science Center Laboratories:
• Panama City, FL
• Pascagoula, MS
• Beaufort, NC (shared with NOS)
• Galveston, TX
Caribbean Council
Note: Alaska's actual proportion is much larger in comparison to the lower 48 states.
Fishery Management Council coastal water jurisdictions

General Administrative Information



UNITED STATES DEPARTMENT OF COMMERCE

14th and Constitution Ave., NW
Washington, DC 20230

MAIL ROUTING CODE		TELEPHONE NUMBER
SEC	**Secretary of Commerce**	
	Wilbur Ross	202-482-2112
A	**Under Secretary of Commerce for Oceans and Atmosphere**	
	RDML Timothy Gallaudet, Ph.D. (acting)	202-482-3436
	NATIONAL MARINE FISHERIES SERVICE	
	1315 East-West Highway Silver Spring Metro Center #3 (SSMC #3) Silver Spring, MD 20910	
F	**Assistant Administrator for Fisheries --**	
	Chris Oliver	301-427-8000
	Deputy Assistant Administrator for Regulatory Programs -- Samuel D. Rauch, III	301-427-8000
	Deputy Assistant Administrator for Operations -- Paul Doremus, Ph.D.	301-427-8000
	Director, Scientific Programs & Chief Science Advisor -- Francisco Werner, Ph.D.	301-427-8000
	Director, Office of Policy -- Jennifer Lukens	301-427-8004
	Director, NOAA Aquaculture Program -- Michael Rubino, Ph.D.	301-427-8325
	Chief Information Officer -- Roy Varghese	301-427-8800
	Director, Office of Communications-- Kate Naughten	301-427-8057
	Equal Employment Opportunity / Diversity Office Natalie Huff	301-427-8025
	Human Capital Management Office -- Denise Fioravante	301-427-8742
F/SI	International Fisheries and Seafood Inspection	
	John Henderschedt	301-427-8350
F/IA1	International Fisheries Affairs Division	301-427-8350
F/IA2	Trade and Stewardship Division	301-427-8350
F/EN	Office of Law Enforcement --	
	Jim Landon	301-427-2300
F/EN1	Enforcement Operations Division	301-427-2300
F/HC	Office of Habitat Conservation --	
	Pat Montanio	301-427-8600
F/HC1	Chesapeake Bay Program Office	410-267-5660
F/HC2	Habitat Protection Division	301-427-8601

UNITED STATES DEPARTMENT OF COMMERCE

Silver Spring, MD 20910

MAIL ROUTING CODE		TELEPHONE NUMBER
F/HC3	**Habitat Restoration Division**	301-427-8602
F/MB	**Office of Management and Budget --**	
	Brian Pawlak	301-427-8720
F/MB1	Budget Execution Division	301-427-8721
F/MB3	Strategic Planning and Program Evaluation	301-427-8720
F/MB4	Budget Formulation and Planning Division	301-427-8720
F/MB5	Financial Services Division	301-427-8771
F/MB6	Facilities, Safety, and Logistics Division	301-427-8720
F/MB7	Appeals Division	301-427-8720
F/PR	**Office of Protected Resources --**	
	Donna Wieting	301-427-8400
F/PR1	Permits and Conservation Division	301-427-8401
F/PR2	Marine Mammal and Sea Turtle Conservation Division	301-427-8402
F/PR3	Endangered Species Conservation Division	301-427-8403
F/PR4	Planning and Program Coordination Division	301-427-8404
F/PR5	Endangered Species Act Interagency Cooperation Division	301-427-8405
F/SF	**Office of Sustainable Fisheries --**	
	Alan D. Risenhoover	301-427-8500
F/SF1	Atlantic Highly Migratory Species Division	301-427-8503
F/SF3	Domestic Fisheries Division	301-427-8504
F/SF5	Operations and Regulatory Services Division	301-427-8505
F/SF7	Seafood Inspection Laboratory	228-769-8964
F/ST	**Office of Science and Technology --**	
	Ned Cyr, Ph.D.	301-427-8100
F/ST1	Fisheries Statistics Division	301-427-8103
F/ST3	Operations, Management, and Information Division	301-427-8100
F/ST4	Assessment and Monitoring Division	301-427-8102
F/ST5	Economics and Social Analysis Division	301-427-8101
F/ST6	Science Information Division	301-427-8101
F/ST7	Marine Ecosystems Division	301-427-8102
LA11	**Office of Legislative and Intergovernmental Affairs - Fisheries --**	
	Wendy Lewis	202-482-4981
PAF	**Office of Public Affairs - Fisheries --**	
	John Ewald	301-427-8003
GCF	**Office of General Counsel - Fisheries and Protected Resource Section**	
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National Marine Fisheries Service

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National Marine Fisheries Service

Regional Facilities

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NATIONAL MARINE FISHERIES SERVICE

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NATIONAL MARINE FISHERIES SERVICE

NATIONAL FISHERY STATISTICS OFFICES

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(1) Regional or area headquarters for statistics offices.

(2) State partner coordinator.

OVERVIEW

In an era of increasing pressures on our oceans, the need for data that supports sound science and effective stewardship of our living marine resources has never been greater. The mission of the Fisheries Information System (FIS) Program is to meet this need by working across the fisheries-dependent data community to facilitate access to comprehensive, high-quality, and timely information on the Nation's fisheries.

The FIS Program is a regionally driven collaboration among state and territorial marine fisheries agencies; Fisheries Information Networks; and NOAA Fisheries Headquarters, Regional Offices, and Science Centers. FIS partners work together to prioritize data improvement needs, identify potential solutions, and fund the testing, verification, and implementation of a wide array of projects and initiatives.

From 2013 through 2017, FIS has provided $13.5 million in funding to its partners. Since 2015, FIS funds have been supplemented by contributions from the National Observer Program and the National Catch-Shares Program. These funds are distributed through a competitive process to state and regional teams that work to identify and promote best practices and innovative approaches for managing each step in the data lifecycle. These steps include evaluating and improving how data are collected at its source; ensuring QA/QC throughout information aggregation and analysis; enhancing the way information is managed and shared; and maximizing the value of information for marine stewardship through broader, more efficient, and more accessible dissemination.

In addition to funding pilot studies, FIS convenes and supports Professional Specialty Groups (PSGs) that consist of experts from multiple disciplines and agencies, including NOAA Fisheries Headquarters, Regional Offices, Science Centers, FINs, and state partners. The role of the PSGs is to provide technical expertise about high-priority issues and identify pressing needs and emerging opportunities. Currently, there are three FIS PSGs that focus on Electronic Reporting, Quality Management, and Data Access and Dissemination.

PROJECT HIGHLIGHT

The biological and catch composition data gathered by independent observers on fishing vessels play a critical role in stock assessments and fisheries management decision-making. However, on some vessels — like many North Pacific groundfish and Pacific halibut fisheries vessels — space for human observers is limited and safety is a concern.

Although using electronic monitoring (EM) technology can alleviate safety and space concerns, it often requires a costly, time-consuming manual review of video and still image data. A collaboration between the Alaska Fisheries Science Center (AFSC) and FIS is making progress in overcoming these hurdles.

In 2013, the AFSC and FIS began working on a program to integrate EM technologies into fisheries-dependent data collection as an alternative to on-board observers. The ultimate goal of the AFSC effort is to improve automation of video analysis and effectively integrate EM data into overall catch accounting. The first step is to create a practical tool for measuring halibut bycatch during release from trawler catches.

Chief among the project's objectives is developing software that will eventually automatically detect size and classify fish as they slide by on chutes or conveyor belts. Cameras triggered by sensors capture images that are later sorted by an algorithm into different classes of fish (or manually reviewed in cases of high uncertainty). This identification algorithm, developed and tested using images collected by the chute, will ultimately be implemented on the chute itself for use in the field.

The AFSC piloted the system on a variety of vessels beginning in 2015 and 2016. The chute has been redesigned to be smaller and more portable, with vibration-resistant electronics and hardware incorporated as part of an increasingly robust construction. On the software side, with two years of data, the fish identification algorithm was able to reliably detect the most commonly imaged species with about 94 percent accuracy, and has identified 146 detected classes, including rare species.

The algorithm can now differentiate between species that pose a challenge even for in-person observers, and is now being applied to measuring halibut bycatch as it is sorted from trawl catches.

For more information about the FIS Program visit: http://www.st.nmfs.noaa.gov/data/fis.

SEA GRANT EXTENSION PROGRAM

The Office of Sea Grant is a major program element of the National Oceanic and Atmospheric Administration. The National Sea Grant College Program is funded jointly by the Federal Government and colleges or universities. Sea Grant's Extension Service offers a broad range of information about the Nation's fisheries to recreational and commercial fishermen, fish processors, and other stakeholders. The following program leaders, listed alphabetically by state, can provide information on Sea Grant activities:

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Federal Inspection Marks for Fishery Products

SEAFOOD INSPECTION PROGRAM. NOAA oversees fisheries management in the United States. Under authority of the 1946 Agricultural Marketing Act, the NOAA Seafood Inspection Program provides inspection services for fish, shellfish, and fishery products to the industry. The NOAA Seafood Inspection Program is often referred to as the U.S. Department of Commerce (USDC) Seafood Inspection Program and uses marks and documents bearing the USDC moniker. The NOAA Seafood Inspection Program offers a variety of services which assure compliance with all applicable food regulations. The Program offers sanitation inspection as well as system and process auditing in facilities, on vessels, or other processing establishments in order to be designated as official establishments. Product quality evaluation, grading and certification services are available on a product lot basis. Certain products may be eligible to bear official marks, such as the U.S. Grade A, Processed Under Federal Inspection (PUFI) and Lot Inspection. All edible product forms ranging from whole fish to formulated products, as well as fish meal products used for animal foods, are eligible for inspection and certification. The U.S. Department of Agriculture recommends that USDC inspected fishery products be purchased for its food feeding programs. The **USDC APPROVED ESTABLISHMENTS** provides a listing of products and participants who contract with USDC.

USERS OF INSPECTION SERVICES. The users of the voluntary seafood inspection service include vessel owners, processors, distributors, brokers, retailers, food service operators, exporters, importers, and those who have a financial interest in buying and selling seafood products. These services can be provided nationwide, in U.S. territories, and in foreign countries. The program is a competent authority within the U.S. Government for issuance of health certificates for export of fish and fishery products to foreign countries. The official government forms and certificates issued by USDC inspectors are legal documents recognized in any U.S. court.

USDC INSPECTION MARKS. These marks designate the level and the type of inspection performed by the federal inspector. The marks can be used in advertising and labeling under the guidelines provided by the Seafood Inspection Program and in accordance with federal and state regulations regarding advertising and labeling. Products bearing the USDC official marks have been certified as being safe, wholesome, and properly labeled.

US GRADE A MARK. The U.S. GRADE A mark signifies that a product has been processed under federal inspection in a sanitarily approved facility and meets the established level of quality of an existing U.S. grade standard. The U.S. Grade A mark indicates that the product is of high quality, uniform in size, practically free from blemishes and defects, in excellent condition and possessing good flavor and odor.

PROCESSED UNDER FEDERAL INSPECTION MARK. The PUFI mark or statement signifies that the product is certified to be safe, wholesome and properly labeled, conforms to quality and other criteria in the approved specification, and has been officially inspected in a participating establishment under Federal inspection.

LOT INSPECTED MARK. The USDC Lot Inspected mark identifies products that were officially sampled and inspected to conform to an approved specification or criteria. This mark may be used on retail packages and packaging provided the label and specification are approved.

RETAIL MARK. Participants qualify to utilize the Retail Mark by contracting for sanitation services and associated product evaluation. Use of the retail mark gives retail firms the opportunity to advertise on banners, logos, and/or menus that their facility is recognized by the USDC for proper sanitation and handling of fishery products.

USDC HACCP MARK. The USDC HACCP-based service is available to all interested parties on a fee-for-service basis. Label approval, record keeping and analytical testing are program requirements. An industry USDC-certified employee trained in HACCP principles is also required for each facility/site in the program. Compliance ratings determine frequency of official visits. Benefits to participants include increased controls through a more scientific approach, use of established marks, increased efficiency of federal inspection personnel, and enhanced consumer confidence. The USDC has made available a HACCP mark and a "banner" to distinguish products that have been produced under the HACCP-based program. The HACCP mark may be used alone or in conjunction with existing grade marks to distinguish that the product was produced under the HACCP Quality Management Program. Participants receive the marketing benefits of using the HACCP mark on brochures, banners, and company labels.

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OFFICIAL BUSINESS